# The Maryland Agricultural College

# QUARTERLY.

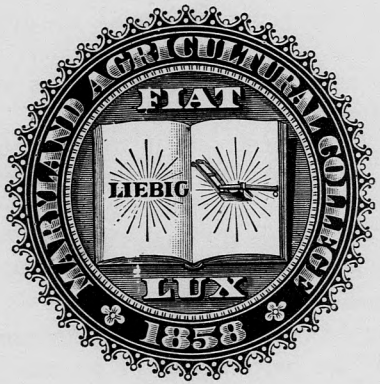
Entered at College Park Post Office as Second-Class Matter.

No. 17. AUGUST. 1902.

## PUBLISHED BY THE COLLEGE.

R. W. SILVESTER, - - - - President.

Edited by H. B. McDONNELL, Professor of Chemistry.




Published for the Benefit of Agriculture and Sent Free to Any One Desiring a Copy.

Issued in the Months of February, May, August and November.

Contributions and Correspondence Invited.

ADDRESS

Chemical Department, Maryland Agricultural College,

COLLEGE PARK, MD.

ANALYSIS OF

# COMMERCIAL FERTILIZERS SOLD IN MARYLAND

BY THE CHEMICAL DEPARTMENT OF THE

MARYLAND AGRICULTURAL COLLEGE.

DR. H. B. MCDONNELL, *State Chemist.*
M. N. STRAUGHN, M. S., *Assistant Chemist.*
J. B. ROBB, M. S., *Assistant Chemist.*
T. R. GOUGH, B. S., *Assistant Chemist.*
C. G. CHURCH, M. S., *Assistant Chemist.*
W. H. WEIGAND, B. S., *Assistant Chemist.*

The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from February to June, 1902, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, at stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all the samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer his name appears after the place of sampling. No sample is analyzed unless fully described on blanks furnished by this Department. The description is not sent in, however, till after the analysis is reported.

No samples are accepted from manufacturers or their agents under any circumstances.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid" are percentages, or pounds per hundred. To get pounds per ton multiply the figures by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential part of the guarantee as stamped on the bags.

The columns headed "No." contain the respective numbers by which the samples are known in the laboratory. In writing to the Chemical Department in regard to any analysis the number should always be given. The samples are numbered consecutively on the books of the office, but are arranged alphabetically for publication, which accounts for the mixing up of the numbers.

"The "comparative value found" and the "comparative value guaranteed" are calculated, the former from the analysis found, the latter from the analysis guaranteed on the bags, using the following schedule.

| | |
|---|---|
| **In Mixed Fertilizer:** | |
| For Nitrogen, calculated as Ammonia | 17½ cts. per pound. |
| " Potash ($K_2O$), in forms free from muriate | 6 " " " |
| " Potash ($K_2O$), as muriate | 5 " " " |
| " Available Phosphoric Acid | 5 " " " |
| " Insoluble Phosphoric Acid | 2 " " " |
| " " " " when from S. C. Rock | 1 " " " |
| **In Dissolved S. C. Rock:** | |
| Available Phosphoric Acid | 4 " " " |
| **In Ground Bone:** | |
| For Nitrogen, calculated as Ammonia, in "Fine" Bone | 16 cts. per pound |
| " Nitrogen, calculated as Ammonia, in "Fine Medium" Bone | 14 " " " |
| " Nitrogen, calculated as Ammonia, in "Medium" Bone | 12 " " " |
| " Nitrogen, calculated as Ammonia, in "Coarse" Bone | 10 " " " |
| " Phosphoric Acid in "Fine" Bone | 5 " " " |
| " " " " "Fine Medium" Bone | 4 " " " |
| " " " " "Medium" " | 3 " " " |
| " " " " 'Coarse" " | 2 " " " |
| **In Tankage and Ground Fish:** | |
| For Nitrogen, calculated as Ammonia | 15 " " " |
| " Phosphoric Acid | 3 " " " |

In using the above schedule *all fertilizers containing less than 1 per cent of ammonia will be given the rock valuation of 4 cents per pound on the available phosphoric acid.*

The continued high price of ammoniates has made it necessary for us to raise the schedule for calculating the "Comparative Value" of ammonia. In mixed fertilizers the increase is 2½ cents per lb. of ammonia equal to 50 cents per unit, that is, an increase of 50 cents per ton for each per cent. of ammonia.

For ground bone the increase is 2 cents per lb. for each grade.

For tankage, fish, etc., the schedule is increased from 12 to 15 cents per lb. for ammonia.

The "comparative values" given in the table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use; this varies considerably, depending on the market prices of the ingredients, freight, commissions, size of order, cash or credit, &c.

Sliding-scale guarantees (the use of a maximum as well as a minimum guarantee), as "Ammonia 1 to 3 per cent" is unlawful. The penalty for the first offence is $100 fine.

It is unlawful to sell any brand of commercial fertilizer before the license for the same has been obtained from the Comptroller. When the license is paid by the manufacturer it is not necessary for his agents to obtain another license for the same brands. If, however, the manufacturer resides out of the State, and does not pay the license, each agent selling the goods or offering the same for sale is held responsible for the license.

Section 6. of the fertilizer law, was amended at the last regular session of the Legislature. The law is printed in full near the end of this bulletin.

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 9917 | Amer. Agr'l Chem. Co., N. Y. | Dissolved Animal Bone. | Baltimore.. ..... |
| 10057 | " " " | Fine Ground Bone ..... | Colora ..... |
| 10047 | " " " | Gem Alkaline Phos..... | Smithburg ..... |
| 10068 | " " " | Great Eastern English Wheat Grower. | Baltimore ..... |
| 10067 | " " " | Great Eastern Northern Corn Special. | Baltimore ..... |
| 9953 | " " " | Pure Ground Bone..... | Baltimore ..... |
| 9941 | " " " | Slingluff's Soluble Top Dresser. | Baltimore ..... |
| 9874 | A. A. C. Co. (Canton Chem. Co.) | Baker's Dissolved S. C. Bone. | Baltimore..... |
| 9911 | " " " | Baker's Fish Guano.... | Baltimore..... |
| 10036 | " " " | Baker's Spec. Wheat, Corn & Grass Mixt. | Baltimore..... ... |
| 9912 | " " " | Baker's Standard H. G. Guano. | Baltimore..... |
| 9925 | " " " | Eagle Phos..... | Baltimore..... |
| 9878 | " " " | Potato Manure..... | Baltimore..... |
| 9980 | " " " | Sol. Bone & Potash..... | Baltimore..... |
| 9875 | A. A. C. Co. (Detrick's.) | Bone & Potash, (16x4) Mixture. | Baltimore ..... |
| 9983 | " " " | Corn and Oats Fertilizer. | Baltimore..... |
| 10045 | " " " | Dissolved S. C. Rock.... | Pocomoke City.... |
| 9896 | " " " | S. C. Bone ..... | Baltimore..... |
| 10033 | " " " | Farmers' New Method.. | Silver Springs ..... |
| 10042 | " " " | Fish Mixture..... | Baltimore ..... |
| 9898 | " " " | Gold Basis..... | Baltimore ..... |
| 10077 | " " " | Gold Basis ..... .... | Snow Hill..... |
| 9399 | " " " | Gold Eagle..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9917 | 2.54 | 2.50 | .... | ..... | 2.12 | 12.23 | 12 | 14.35 | ..... | 21.97 | 20.75 |
| 10057 | 3.15 | 3 | ... | ..... | .... | .... | ..... | 15.15 | 22.80 | 21.43 | ..... |
| 10047 | .... | ..... | 2.94 | 3 | .85 | 8.64 | 6 | 9.49 | ..... | 10.02 | 7.80 |
| 10068 | 1 30 | 1 | 2.53 | 2 | .92 | 9.08 | 8 | 10.00 | ..... | 16.53 | 13.50 |
| 10067 | 2.73 | 3 | 2.66 | 2 | .97 | 9.01 | 9 | 9.98 | ..... | 21.61 | 21.50 |
| 9953 | 4.59 | 4 | .... | ..... | .... | ... | ..... | 21.19 | ..... | 27.04 | ..... |
| 9941 | 4.62 | 5 | 3.04 | 2.50 | .42 | 6.49 | 5 | 6.91 | ..... | 25.87 | 25.00 |
| 9874 | ..... | ..... | .... | ..... | 1.02 | 15.01 | 14 | 16.03 | ..... | 12.01 | 11.20 |
| 9911 | 2.05 | 2 | 2.19 | 2 | 1.07 | 8.84 | 8 | 9.91 | ..... | 18.63 | 17.00 |
| 10036 | 1.44 | 1 | 2.26 | 2 | .90 | 9.14 | 9 | 10.04 | ..... | 16.80 | 14.50 |
| 9912 | 2.51 | 2.50 | 3.05 | 3 | 1.22 | 8.72 | 8 | 9.94 | ..... | 21.04 | 20.75 |
| 9925 | 1.32 | 1 | 1.56 | 1 | .90 | 8.76 | 7 | 9.66 | 8 | 15.30 | 11 90 |
| 9878 | 1.90 | 1.50 | 5.01 | 5 | 1.56 | 6.13 | 6 | 7.69 | ..... | 18.41 | 16.25 |
| 9980 | .... | ..... | 2.21 | 2 | 1.35 | 10.38 | 10 | 11.73 | ..... | 10.78 | 10.00 |
| 9875 | .... | ..... | 2.22 | 2 | .40 | 12.04 | 11 | 12.44 | ..... | 11.93 | 10.80 |
| 9983 | 1.17 | 1 | 3.27 | 3 | .80 | 9.76 | 9 | 10.56 | ..... | 17.44 | 15.50 |
| 10045 | .... | ..... | .... | ..... | .75 | 15.63 | 14 | 16.38 | ..... | 12.50 | 11.20 |
| 9896 | .... | ..... | .... | ..... | .75 | 15.56 | 14 | 16.31 | ..... | 12.45 | 11.20 |
| 10033 | 3.07 | 2.50 | .... | ..... | .57 | 8.92 | 8 | 9.49 | ..... | 19.89 | 16.75 |
| 10042 | 2.19 | 2 | 2.52 | 2 | 2.35 | 9.26 | 8 | 11.61 | ..... | 20.38 | 17.00 |
| 9898 | 7.07 | 7 | 3.55 | 5 | 1.97 | 6.60 | 6 | 8.57 | ..... | 35.68 | 35.50 |
| 10077 | 6.62 | 7 | 4.78 | 5 | 2.00 | 7.06 | 6 | 9.06 | ..... | 35.81 | 35.50 |
| 9899 | 3.18 | 3 | 7.21 | 6 | 1.57 | 6.09 | 6 | 7.66 | ..... | 25.06 | 22.50 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 9867 | A. A. C. Co. (Detrick's.) | K. K. K. Kangaroo Komplete Kompound. | Baltimore..... |
| 10026 | " " " | P. & B. Special Fertilizer. | Baltimore..... |
| 9993 | " " " | Paragon Amm'd Bone Phos. | Mount Airy ..... |
| 10034 | " " " | Pure Ground Bone..... | Silver Springs..... |
| 9942 | " " " | Quickstep Bone Phos.... | Baltimore..... |
| 10046 | " " " | Royal Crop Grower. .... | Pocomoke City.... |
| 9983 | " " " | Soluble Bone Phos. & Potash. | Baltimore..... |
| 10048 | " " " | Special Mixture..... | Smithsburg..... |
| 9940 | " " " | Standard Potash Fertilizer. | Baltimore..... |
| 9994 | " " " | Vegetator..... | Mt. Airy ..... |
| 9936 | A. A. C. Co. (Lazaretto.) | Amm'd Bone Phos..... | Baltimore..... |
| 9977 | " " " | Bone Compound ..... | Baltimore..... |
| 9934 | " " " | Crop Grower..... | Baltimore ..... |
| 9947 | " " " | Diss. Bone Phos ..... | Baltimore ..... |
| 9935 | " " " | Diss. Bone Phos. & Potash | Baltimore ..... |
| 9895 | " " " | Early Trucker..... | Baltimore ..... |
| 9946 | " " " | Gem Alkaline Phos..... | Baltimore ..... |
| 9958 | " " " | H. G. Diss. Bone & Pot ash. | Baltimore ..... |
| 9881 | " " " | Retriever Animal Fertilizer. | Baltimore ..... |
| 9985 | " " " | S. C. Bone (Bohanan) | Baltimore ..... |
| 9891 | " " " | Spec. Potato Fertilizer. | Baltimore ..... |
| 10028 | " " " | Tomato Compound..... | Baltimore ..... |
| 9931 | A. A. C. Co. (Maryland.) | Alkaline Bone..... | Baltimore ..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value Per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9867 | 2.23 | 2 | 3.04 | 3 | 3 47 | 7.82 | 8 | 11.29 | ..... | $20.05 | $19.40 |
| 10026 | ..... | ..... | 3.46 | 3 | .70 | 12.03 | 12 | 12.73 | 13 | 13.22 | 12.80 |
| 9993 | 1.32 | 1 | 1.31 | 1 | 1.82 | 7.35 | 7 | 9.17 | ..... | 14.01 | 11.50 |
| 10034 | 3.15 | 3 | .... | ..... | .... | ..... | ..... | 25.48 | 22.80 | 31.74 | ..... |
| 9942 | 3.20 | 3 | 4.74 | 4 | .40 | 9.32 | 8 | 9.72 | ... .... | 25.62 | 22 50 |
| 10046 | 2.18 | 2 | 2.36 | 2 | .81 | 9.22 | 8 | 10.03 | ..... | 19.53 | 17.00 |
| 9933 | ..... | ..... | 2.21 | 2 | .50 | 11.73 | 10 | 12.23 | ..... | 11.69 | 10.00 |
| 10048 | 1.08 | 1 | 1.89 | 1 | .92 | 8.05 | 8 | 8.97 | ..... | 14.09 | 12.50 |
| 9940 | ..... | .. .... | 5.25 | 5 | 1.32 | 6.39 | 6 | 7.71 | 7 | 10.62 | 10.00 |
| 9994 | 2.18 | 2.50 | 3.30 | 3 | 1.75 | 8.55 | 8 | 10.30 | ..... | 20.18 | 19.75 |
| 9936 | 1.39 | 1 | 2.16 | 2 | 1.55 | 8.12 | 8 | 9.67 | ..... | 15.76 | 13.50 |
| 9877 | 1.74 | 1.25 | 4.09 | 3 | 1.37 | 7.74 | 9 | 9.11 | ..... | 18.47 | 16.37 |
| 9934 | 2.13 | 2 | 2.15 | 2 | 1.05 | 9.39 | 8 | 10.44 | ..... | 19.41 | 17.00 |
| 9947 | ..... | ..... | .... | ..... | .37 | 14.08 | 14 | 14.45 | .. .... | 11.26 | 11.20 |
| 9935 | ..... | ..... | 2.18 | 2 | .75 | 11.38 | 10 | 12.13 | ..... | 11.43 | 10.00 |
| 9895 | 5.25 | 5 | 5.35 | 5 | 1.80 | 7.42 | 7 | 9.22 | ..... | 31.86 | 29.50 |
| 9946 | .... | ..... | 3.12 | 3 | .75 | 8.11 | 6 | 8.86 | ..... | 9.76 | 7.80 |
| 9958 | ..... | ..... | 5.56 | 5 | .15 | 12.17 | 12 | 12.32 | ... .... | 15.33 | 14.60 |
| 9881 | 2.70 | 2 25 | 5.05 | 4 | 4.15 | 10.08 | 9 | 14.23 | ..... | 26.24 | 20.87 |
| 9985 | ..... | ..... | .... | ..... | .72 | 15.35 | 14 | 16.07 | ..... | 12.28 | 11.20 |
| 9891 | 1.22 | 1 | 4.01 | 4 | 1.20 | 8.44 | 8 | 9.64 | ..... | 17.20 | 15.50 |
| 10028 | 1.90 | 1.50 | 4.87 | 5 | 1.55 | 6.34 | 6 | 7.89 | ..... | 18.48 | 16.25 |
| 9931 | ..... | ..... | 2.96 | 3 | .40 | 12.79 | 12 | 13.19 | ..... | 13.27 | 12.60 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and sampler, when not the College.) |
|---|---|---|---|
| 10039 | A. A. C. Co. (Maryland). | Amm'd Bone | Baltimore |
| 10031 | " " " | Bono Super Phos | Baltimore |
| 10029 | " " " | Diss. S. C. Bone. | Baltimore |
| 9959 | " " " | Magic Guano | Brunswick |
| 10085 | " " " | Magic Guano | Baltimore |
| 9954 | " " " | Spec. Compound for Potatoes and Tobacco. | Baltimore |
| 9932 | " " " | Tornado Fertz | Baltimore |
| 10043 | A. A. C. Co. (Nickerson.) | Acid Phos. | Baltimore |
| 10003 | " " " | Advance Guano | Choptank |
| 9852 | " " " | Bone & Potash | Baltimore |
| 9945 | " " " | English Mixture | Baltimore |
| 9943 | " " " | Mixture | Baltimore |
| 9851 | " " " | Truck Guano | Baltimore |
| 9974 | A. A. C. Co. (Packer's Union.) | Universal Fertilizer | Baltimore |
| 10016 | A. A. C. Co. (Reese.) | Ammon. Bone Phos | Providence |
| 10014 | " " " | Crown Phos. & Potash. | Providence |
| 10015 | " " " | Diss. Phos. of Lime | Providence |
| 9978 | A. A. C. Co. (Sharpless & Carpenter.) | Acid Phos. (14%) | Baltimore |
| 9929 | " " " | Diss. Bone Phos. for Potatoes & General Use. | Baltimore |
| 10027 | A. A. C. Co. (Susquehanna.) | Alkaline Bone Phos | Baltimore |
| 9987 | " " " | Amm'd Bone Phos | Baltimore |
| 10037 | " " " | Crop Grower | Baltimore |
| 9924 | " " " | Potato Phos | Baltimore |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10039 | 2.26 | 2.00 | 3.32 | 3.00 | 2.30 | 10.16 | 8.00 | 12.46 | 9.00 | $22.31 | $18.40 |
| 10031 | ..... | ..... | 2.15 | 2.00 | 1.05 | 10.79 | 10.00 | 11.84 | ..... | 10.99 | 10.00 |
| 10029 | ..... | ..... | ..... | ..... | .70 | 15.00 | 14.00 | 15.70 | 15.00 | 12.00 | 11.20 |
| 9959 | 1.32 | 1.00 | 4.93 | 2.00 | 2.10 | 9.90 | 9.00 | 12.00 | ..... | 20.29 | 14 50 |
| 10085 | 1.10 | 1.00 | 2.20 | 2.00 | 1.87 | 10.46 | 9.00 | 12.33 | ..... | 17.26 | 14.50 |
| 9954 | 2.52 | 2.00 | 10.01 | 10.00 | 1.00 | 8.37 | 8.00 | 9.37 | ..... | 27.60 | 25.00 |
| 9932 | ..... | ..... | 5.37 | 5.00 | .72 | 13.76 | 12.00 | 14.48 | 13.00 | 16.52 | 14.80 |
| 10043 | ..... | ..... | ..... | ..... | .85 | 15.18 | 14 00 | 16.03 | ..... | 12.14 | 11.20 |
| 10003 | 1.26 | 1.00 | 1.60 | 1.00 | .95 | 8.29 | 7.00 | 9.24 | ..... | 14.68 | 11.50 |
| 9852 | 1.28 | .50 | 2.08 | 2.00 | .77 | 8.06 | 8.00 | 8.83 | ..... | 14.93 | 10.15 |
| 9945 | 1.17 | 1.00 | 2.01 | 2.00 | .77 | 8.17 | 8.00 | 8.94 | ..... | 14.58 | 13.50 |
| 9943 | .95 | .50 | 2.34 | 2.00 | .70 | 8.02 | 8.00 | 8.72 | ..... | 12.32 | 10.15 |
| 9851 | 2.05 | 2.00 | 2.36 | 2.00 | 1.02 | 8.91 | 8.00 | 9.93 | ..... | 18.85 | 17.00 |
| 9974 | 1.19 | 1.00 | 4.14 | 4.00 | .75 | 8.53 | 8 00 | 9.28 | 9.00 | 17.13 | 15 90 |
| 10016 | 1.01 | 1.00 | 5.86 | 3.0( | 1.17 | 9.59 | 9.00 | 10.76 | 10.00 | 19.46 | 15.90 |
| 10014 | ..... | ..... | 2.38 | 2.00 | .67 | 11.13 | 11.00 | 11.80 | 12.00 | 11.41 | 11.(0 |
| 10015 | ..... | ..... | ..... | ..... | .87 | 15.76 | 14.00 | 16.63 | 15.00 | 12.61 | 11.20 |
| 9973 | ..... | ..... | ..... | ..... | .67 | 15.23 | 14.00 | 15.90 | 15.00 | 12.18 | 11.20 |
| 9929 | 2.52 | 2.50 | 6.20 | 6.00 | 2.02 | 9.14 | 8.00 | 11.16 | ..... | 24.97 | 22.75 |
| 10027 | .... | ..... | 2.26 | 2.00 | 1.15 | 10.58 | 10.00 | 11.73 | 11.00 | 10.95 | 10.20 |
| 9987 | 2.21 | 2.00 | 3.01 | 2.00 | 1.27 | 8.42 | 8.00 | 9.69 | 9.00 | 19.67 | 17.40 |
| 10037 | 1.30 | 1.00 | 1.30 | 1.00 | 1.22 | 7.76 | 7.00 | 8.98 | 8.00 | 14.10 | 11.90 |
| 9924 | 1.96 | 2.00 | 5.65 | 5.00 | 1.57 | 8.41 | 8.00 | 9.98 | ..... | 21.55 | 20.00 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9888 | A. A. C. Co. (Susquehanna). | Superior Rock Phos..... | Baltimore..... |
| 10038 | " " " | XXV Phos..... | Baltimore..... |
| 9897 | A. A. C. Co. (Tygert-Allen). | Standard Bone Phos ..... | Baltimore..... |
| 10051 | " " " | Star Diss. S. C. Rock .... | Baltimore..... |
| 9949 | A A. C. Co. (Wheeler). | Corn Fertilizer..... | Baltimore..... |
| 9938 | " " " | Electrical Diss. Bone... | Baltimore ..... |
| 10024 | " " " | H. G. Potato Fertilizer... | Baltimore ..... |
| 9927 | " " " | Potato Manure..... | Baltimore ..... |
| 9950 | " " " | Royal Wheat Grower... | Baltimore ..... |
| 9951 | " " " | Wheat and Clover Fertz. | Baltimore ..... |
| 9914 | A. A. C. Co. (Williams & Clarks) | Acorn Acid Phos..... | Baltimore ..... |
| 9998 | " " " | Fish and Potash..... | Ridgely..... |
| 9997 | " " " | Spring Trucker ..... | Ridgely..... |
| 9952 | A. A. C. Co. (Zell). ..... | Amm'd Bone Super Phos. | Baltimore ..... |
| 9926 | " " " | Diss. Bone Phos ..... | Baltimore ..... |
| 9885 | " " " | Economizer..... | Baltimore ..... |
| 9964 | " " " | Electric Phos ..... | Taneytown..... |
| 9990 | " " " | Little Giant..... | Baltimore.. ..... |
| 9906 | " " " | Spec Compound for Potatoes and Vegetables. | Baltimore..... |
| 9879 | Armour Fertz. Works, Baltimore, Md. | All Soluble Fertz..... | Baltimore ..... |
| 10071 | " " " | Amm'd Bone with Potash. | Baltimore ..... |
| 9907 | " " " | Bone, Blood and Potash. | Baltimore ..... |
| 9804 | " " " | Bone Meal..... | Baltimore ..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9888 | .... | ..... | .... | ..... | .55 | 15.51 | 14.00 | 16.06 | ..... | $12.41 | $11.20 |
| 10038 | 1.10 | 1 00 | 1.31 | 1.00 | 1.07 | 8.01 | 8.00 | 9.08 | 9.00 | 13.60 | 12.90 |
| 9897 | 2.02 | 2.00 | 2.29 | 2.00 | .92 | 9.24 | 8 00 | 10.16 | ..... | 18.97 | 17.00 |
| 10051 | .... | ..... | ... | ..... | .90 | 14.93 | 14.00 | 15.83 | ..... | 11.94 | 11.20 |
| 9949 | 2.24 | 2.00 | 2.12 | 2.00 | 1 02 | 8.76 | 8.00 | 9.78 | ..... | 19.13 | 17.00 |
| 9928 | .. .. | ..... | ..... | ..... | .22 | 16.32 | 14.00 | 16.54 | ..... | 13.06 | 11.20 |
| 10024 | 1.12 | 1 00 | 1.41 | 1.00 | .80 | 8.08 | 7.00 | 8.88 | ..... | 13.73 | 11.50 |
| 9927 | 2.61 | 2.50 | 3.14 | 3.00 | 1.67 | 8.40 | 8.00 | 10.07 | ..... | 21.34 | 19.75 |
| 9950 | 1.20 | 1.00 | 2.01 | 2.00 | 1.41 | 8.27 | 8.00 | 9.68 | ..... | 15.04 | 13.50 |
| 9951 | ..... | ..... | 2.21 | 2.00 | .85 | 10.83 | 10.00 | 11.68 | ..... | 11.04 | 10.00 |
| 9914 | ..... | .... | ..... | ..... | .75 | 15.62 | 14.00 | 16.37 | ..... | 12.50 | 11.20 |
| 9998 | 2.02 | 2.00 | 2.36 | 2.00 | .87 | 9.04 | 8.00 | 9.91 | ..... | 18.82 | 17.00 |
| 9997 | 2.50 | 2.00 | 4.46 | 4.00 | 1.27 | 8.45 | 8.00 | 9.72 | ..... | 22.17 | 19.00 |
| 9952 | 2.25 | 2.00 | 2.15 | 2.00 | .90 | 9.22 | 8.00 | 10.12 | ..... | 19.60 | 17.00 |
| 9926 | .... | ..... | ... | ..... | .25 | 16.25 | 14.00 | 16.50 | ..... | 13.00 | 11.20 |
| 9885 | 1.29 | 1.00 | 2.15 | 2.00 | 1.27 | 8.30 | 8.00 | 9.57 | ..... | 15.47 | 13.50 |
| 9964 | .... | ..... | 2.22 | 2 00 | .52 | 11.37 | 8.00 | 11.89 | 11.00 | 11.42 | 8.60 |
| 9890 | 1.17 | 1.00 | 1.29 | 1.00 | 1.12 | 8.07 | 7 00 | 9.19 | ..... | 13.90 | 11.50 |
| 9906 | 3.39 | 3.00 | 4.62 | 4.00 | .50 | 8.75 | 8.00 | 9.25 | ..... | 25.43 | 22.50 |
| 9879 | 3.33 | 3 50 | 4.40 | 4.00 | 26 | 8.91 | 8.00 | 9.17 | ..... | 25.06 | 24.25 |
| 10071 | 2.95 | 3.00 | 2.09 | 2.00 | 1.37 | 6.34 | 6.00 | 7.71 | 8.00 | 19.30 | 18.50 |
| 9907 | 5.40 | 5.00 | 7.17 | 7.00 | .55 | 8.63 | 8.00 | 9.18 | ..... | 34.92 | 32.50 |
| 9801 | 2.73 | 3 00 | ..... | .. .... | .... | ..... | ... ... | 25.82 | 24.0 | 30.98 | ..... |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10074 | Armour Fertz. Works, Baltimore, Md. | Bone and Diss. Bone with Potash. | Baltimore..... |
| 10017 | " " " | Fruit and Root Crop Special. | Elkton..... |
| 9963 | " " " | Grain Grower..... | Snow Hill..... |
| 9862 | " " " | H. G. Potato Fertz..... | Baltimore..... |
| 10009 | " " " | Phosphate and Potash. | Woodsboro..... |
| 9865 | " " " | Raw Bone Meal..... | Baltimore..... |
| 10053 | " " " | Seven Per Cent..... | Baltimore..... |
| 9977 | " " " | Special Mixture..... | Baltimore..... |
| 9812 | " " " | Special Mixture..... | Zion..... |
| 9962 | " " " | Star Phosphate..... | Snow Hill..... |
| 9886 | " " " | Tomato Grower..... | Baltimore..... |
| 10054 | " " " | Valley Brand Tobacco... | Baltimore..... |
| 10030 | " " " | Wheat, Corn and Oats Special. | Baltimore..... |
| 9904 | Baltimore Pulv. Co., Baltimore, Md. | Concentrated Cereal Plant Food. | Baltimore..... |
| 10078 | " " " | Concentrated Cereal Plant Food. | Hurlock..... |
| 9916 | " " " | Farmer's Favorite Fertilizer. | Baltimore..... |
| 9863 | " " " | Penniman's Excelsior Fertz. | Baltimore..... |
| 10032 | " " " | Penniman's Excelsior Fertz. | Baltimore..... |
| 9930 | " " " | Penniman's Spec. Guano No. 1. | Baltimore..... |
| 9988 | " " " | Pure Diss. Animal Bone. | Baltimore..... |
| 9915 | " " " | Royal Tomato Compound | Baltimore..... |
| 10023 | " " " | S. C. Bone Phos..... | Baltimore..... |
| 9894 | " " " | Spec. Potato Mixture... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10074 | 2.09 | 2.00 | 4.28 | 3.00 | 5.90 | 8.87 | 9.00 | 14.77 | 18.00 | $22.82 | $19.00 |
| 10017 | 2.01 | 2.00 | 5.26 | 5.00 | 1.75 | 7.31 | 8.00 | 9.06 | 10.00 | 20.30 | 20.00 |
| 9963 | 2.01 | 2.00 | 2.10 | 2.00 | 1.47 | 8.95 | 8.00 | 10.42 | ..... | 18.67 | 17.00 |
| 9862 | 2.22 | 2.00 | 9.94 | 10.00 | 1.72 | 8.03 | 8.00 | 9.75 | 10.00 | 27.22 | 25.00 |
| 10009 | ..... | ..... | 2.82 | 2.00 | 0.12 | 10.10 | 10.00 | 10.22 | ..... | 10.92 | 10.40 |
| 9865 | 4.76 | 4.50 | ..... | ..... | ..... | ..... | ..... | 22.53 | 44.00 | 32.82 | ..... |
| 10053 | 5.46 | 7.00 | 5.79 | 5.00 | 1.15 | 7.03 | 6.00 | 8.18 | ..... | 32.39 | 35.50 |
| 9977 | 1.45 | 0.50 | 2.05 | 1.00 | 0 92 | 8.05 | 8 00 | 8.97 | ..... | 15.54 | 9.15 |
| 9812 | 1.02 | 1.00 | 6.53 | 7.00 | 0.27 | 9.33 | 9.00 | 9.60 | ..... | 19.54 | 19.50 |
| 9962 | ..... | ..... | .... | ..... | 1.00 | 15.11 | 14 00 | 16.11 | ..... | 12.09 | 11.20 |
| 9886 | 2.02 | 2.00 | 2.33 | 2.00 | 0.60 | 8.11 | 8.00 | 8.71 | 10.00 | 17.75 | 17.00 |
| 10054 | 2.13 | 2.00 | 5.55 | 5.00 | 0.50 | 8.82 | 8.00 | 9.32 | ..... | 22.02 | 20.00 |
| 10030 | 1.08 | 1.00 | 1.14 | 1.00 | 0.25 | 7.26 | 7.00 | 7.51 | ..... | 12.28 | 11.50 |
| 9904 | 6.40 | 8.00 | 6.24 | 4.00 | ..... | ..... | ..... | ..... | ..... | 28.64 | 32.00 |
| 10078 | 7.42 | 8.00 | 4.60 | 4.00 | ..... | ..... | ..... | ..... | ..... | 30.57 | 32.00 |
| 9916 | 1.39 | 1.00 | 1.84 | 1.04 | 1.10 | 5.68 | 5.25 | 6.78 | ..... | 12.82 | 13.50 |
| 9863 | ..... | ..... | 2.03 | 2.50 | 0.95 | 10.30 | 10.00 | 11.25 | ..... | 10.46 | 10.50 |
| 10082 | ..... | ..... | 2.11 | 2.50 | 1.57 | 10.47 | 10 00 | 12.04 | ..... | 10.80 | 10.50 |
| 9930 | 1.42 | 1.00 | 1.32 | 1.00 | 1.50 | 7.29 | 8.00 | 8.79 | ..... | 14.18 | 12.50 |
| 9988 | 2.33 | 2.00 | ..... | ..... | 2.40 | 10.93 | ..... | 13.33 | 15.00 | 20.04 | ..... |
| 9915 | 2.11 | 2.00 | 2.53 | 2.00 | 1.77 | 8.30 | 8.00 | 10.07 | ..... | 18.92 | 17.00 |
| 10023 | ..... | ..... | ..... | ..... | 1.62 | 14.27 | 14 00 | 15.89 | 16.00 | 11.42 | 11.20 |
| 9894 | 1.60 | 2.00 | 3.18 | 4.00 | 1.50 | 8.97 | 5.50 | 10.47 | ..... | 18.35 | 16.50 |

| No. | Name and address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 10084 | Baltimore Pulv. Co., Baltimore, Md. | Special Potato Mixture. | Baltimore..... |
| 9989 | " " " | Spec. Spring Mixture... | Baltimore..... |
| 9905 | " " " | Spec. Strawberry Compound. | Baltimore..... |
| 9853 | " " " | Trucker's Choice..... | Baltimore..... |
| 10075 | " " " | Trucker's Choice..... | Chase..... |
| 10073 | Baugh & Sons Co., Baltimore, Md. | Amm'd Sol. Alkaline.... | Baltimore..... |
| 9360 | " " " | Animal Bone & Potash.. | Baltimore..... |
| 9956 | " " " | Bone Meal..... | Baltimore..... |
| 10022 | " " " | Bone Meal..... | Pleasant Hill..... |
| 9870 | " " " | Corn Fertilizer ..... | Baltimore..... |
| 9893 | " " " | Diss. Animal Bone..... | Baltimore..... |
| 9937 | " " " | Double Eagle Phos..... | Baltimore..... |
| 9957 | " " " | Export Bone and Potash. | Baltimore..... |
| 9857 | " " " | Fish Mixture ..... | Baltimore..... |
| 9873 | " " " | Gen. Crop Grower..... | Baltimore..... |
| 9872 | " " " | H. G. Acid Phos..... | Baltimore..... |
| 9921 | " " " | H. G. Potato Guano..... | Baltimore..... |
| 9856 | " " " | H. G. Truck Guano..... | Baltimore..... |
| 9384 | " " " | H. G. Tobacco Fertz.... | Baltimore..... |
| 9855 | " " " | New Process 10% Guano. | Baltimore..... |
| 10044 | " " " | Old Standby Raw Bone Super Phos ..... | Jessups..... |
| 9801 | " " " | Peach Tree Manure..... | Church Hill..... (Wm. H. Welch). |
| 9903 | " " " | Potato Fertilizer..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA | | POTASH $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10084 | 1.77 | 2 00 | 4.23 | 4.00 | 1.40 | 6.16 | 5.50 | 7.56 | ..... | $17.14 | $16.50 |
| 9989 | ..... | ..... | 1.71 | 2.00 | .95 | 8.38 | 8.00 | 9.33 | 9.00 | 8.60 | 8.60 |
| 9905 | 4.56 | 4 00 | 2.71 | 3.00 | 2.50 | 5.34 | 5.00 | 7.84 | ..... | 25.01 | 22.00 |
| 9853 | 2.71 | 3.00 | 2.17 | 1.50 | 1.75 | 9.28 | 8.00 | 11.03 | ..... | 21.63 | 20.50 |
| 10075 | 2.51 | 3.00 | 1.95 | 1.50 | 2.07 | 8.92 | 8.00 | 10.99 | ..... | 20.48 | 20.00 |
| 10073 | 1.73 | .50 | 1.52 | 2.00 | 2.12 | 7.66 | 8.00 | 9.78 | ..... | 16.08 | 10.15 |
| 9860 | 2.27 | 2 00 | 2.31 | 2.00 | 2.40 | 8.14 | 8.00 | 10.54 | ..... | 19.35 | 17.00 |
| 9956 | 4.95 | 4 25 | .... | ..... | .... | ..... | ..... | 20.10 | 21.50 | 31.43 | ..... |
| 10022 | 4.94 | 4.25 | ..... | ..... | ..... | ..... | ..... | 20.47 | 21.50 | 31.04 | ..... |
| 9870 | 1.19 | 1.00 | 4.52 | 4.00 | 1.97 | 8.19 | 8.00 | 10.16 | ..... | 17.65 | 15.50 |
| 9893 | 3.11 | 2.50 | ..... | ..... | 3.02 | 14.34 | 13.00 | 17.36 | ..... | 26.43 | 21.75 |
| 9937 | 2.43 | 2.00 | 1.64 | 1.00 | 3.02 | 8.63 | 8.00 | 11.65 | ..... | 19.98 | 17.00 |
| 9957 | 2.54 | 2.00 | 2.47 | 2.00 | 6.82 | 6.64 | ..... | 13.46 | ..... | 20.73 | ..... |
| 9857 | 2.62 | 2.00 | 2.59 | 2.00 | 2.62 | 8.79 | 8.00 | 11.41 | ..... | 21.60 | 17.00 |
| 9873 | 1.24 | 1.00 | 1.35 | 1.00 | 3.22 | 8.28 | 8.00 | 11.50 | ..... | 15.26 | 12.50 |
| 9872 | ..... | ..... | ..... | ... ... | 3.07 | 15.21 | 14.00 | 18.28 | ..... | 12.17 | 11.20 |
| 9921 | 4.91 | 5.00 | 7.56 | 7.00 | 2.02 | 7.17 | 6.00 | 9.19 | ..... | 32.72 | 30.50 |
| 9856 | 3.28 | 3.00 | 3.57 | 3.00 | 1.85 | 9.00 | 8.00 | 10.85 | ..... | 24.79 | 21.50 |
| 9884 | 3.16 | 3.00 | 3.70 | 3.00 | 1.75 | 8.22 | 8.00 | 9.97 | ..... | 23.68 | 21.50 |
| 9855 | 10.30 | 10.00 | 3.18 | 2.50 | 2.25 | 5.71 | 5.00 | 7.96 | ..... | 45 84 | 42.50 |
| 10044 | 2.52 | 2.00 | 1.38 | 1.00 | 2.95 | 8.03 | 8.00 | 10.98 | ..... | 19.41 | 17.00 |
| 9801 | 1.79 | 1.00 | 5.95 | 7.00 | 1.50 | 8.28 | 7.00 | 9.78 | ..... | 21.09 | 17.50 |
| 9908 | 2.10 | 2.00 | 2.01 | 2.00 | 2.67 | 8.65 | 8.00 | 11.32 | ..... | 19.08 | 17.00 |

| No | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9864 | Baugh & Sons Co., Baltimore, Md. | 7% Potato Guano..... | Baltimore..... |
| 9944 | " " " | ol. Alkaline Super. Phos. | Baltimore..... |
| 9858 | " " " | Spec. Manure for Melons. | Baltimore..... |
| 10076 | " " " | Spec. Manure for Melons | Vienna..... |
| 9859 | " " " | Spec. Potato Manure.... | Baltimore..... |
| 10025 | " " " | Strawberry Mixture..... | Baltimore..... |
| 9996 | " " " | S. S. S. Pure Amm'd Bone. | Monrovia..... |
| 9976 | " " " | Sweet Potato Guano..... | Baltimore..... |
| 9871 | " " " | Tomato Compound..... | Baltimore..... |
| 9920 | " " " | Vegetable Compound.... | Baltimore..... |
| 10020 | The Berg Co., Phila., Pa.. | Raw Bone..... | Elkton..... |
| 10018 | " " " | $25.00 Spec. Bone Manure. | Elkton..... |
| 10007 | A. D. Bireley & Son Ladiesburg, Md. | Amm'd Bone..... | Ladiesburg..... |
| 10006 | " " " | Dis. Animal Bone..... | Ladiesburg..... |
| 10008 | " " " | Spec. Wheat and Grass Fertz. | Ladiesburg..... |
| 10035 | C. E. Bond, Spencerville, Md. | Pure Raw Bone ..... | Spencerville..... |
| 9975 | Jas. Bonday, Jr. & Co., Baltimore, Md. | Old Reliable Brand Gen. German Kainit | Baltimore..... |
| 10004 | Jas. Brian, Middle River, Md. | Atlas Fertilizer..... | Middle River..... |
| 10019 | rumfield & Foster Colora, Md. | Acid Phos. and Potash | Elkton..... |
| 10055 | " " " | Amm'd Bone Phos .... | Colora..... |
| 10056 | " " " | Hard Times Amm'd Phos. | Colora..... |
| 10021 | " " " | H. G. Acid Phos..... | Elkton..... |
| 9988 | J. L. Bullock, Baltimore, Md. | Dis. Pure Raw Bone... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9864 | 6.94 | 7.00 | 5.04 | 5.00 | 1.82 | 6.45 | 6.00 | 8.27 | ..... | $36.51 | $35.50 |
| 9944 | ..... | ..... | 2.01 | 2.00 | 3.02 | 10.59 | 10.00 | 13.61 | ..... | 11.08 | 10.00 |
| 9858 | 4.43 | 4.00 | 5.94 | 4.00 | 1.27 | 10.81 | 10.00 | 12.08 | ..... | 33.64 | 28.00 |
| 10076 | 5.88 | 4.00 | 4.03 | 4.00 | 2.02 | 10.90 | 10.00 | 12.92 | ..... | 36.83 | 28.80 |
| 9859 | 2.33 | 2.00 | 10.22 | 10.00 | 1.55 | 6.11 | 5.00 | 7.66 | ..... | 25.28 | 22.00 |
| 10025 | 3.03 | 3.00 | 5.17 | 5.00 | 1.02 | 7.83 | 7.00 | 8.85 | 10.00 | 24.01 | 22.50 |
| 9996 | 2.15 | 2.00 | 4.04 | 3.00 | 1.92 | 8.70 | 8.00 | 10.62 | ..... | 21.03 | 18.00 |
| 9976 | 3.11 | 3.00 | 3.65 | 3.00 | 1.45 | 8.68 | 8.00 | 10.13 | ..... | 23.79 | 21.50 |
| 9871 | 2.45 | 2.00 | 2.39 | 2.00 | 2.97 | 8.32 | 6.00 | 11.29 | ..... | 20.47 | 15.00 |
| 9920 | 1.49 | 1.00 | 2.45 | 2.00 | 3.06 | 9.22 | 8.00 | 12.28 | ..... | 18.10 | 13.50 |
| 10020 | 4.60 | 5.00 | ..... | ... .. | ..... | ..... | ..... | 23.11 | 22.00 | 30.07 | ..... |
| 10018 | 1.86 | 3.00 | 2.80 | 3.00 | 4.52 | 9.32 | 9.00 | 13.84 | ..... | 20.44 | 22.50 |
| 10007 | 0.98 | 0.30 | 2.97 | 1.00 | 0.62 | 8.10 | 8.00 | 8.72 | ..... | 13.00 | 8.45 |
| 10006 | 1.20 | 1.00 | 2.26 | 2.00 | 0.62 | 8.90 | 9.00 | 9.52 | ..... | 15.61 | 14.50 |
| 10008 | ..... | ..... | 2.90 | 2.00 | 2.02 | 10.05 | 10.00 | 12.07 | ..... | 11.34 | 10.00 |
| 10035 | 4.91 | 4.00 | ..... | ..... | ..... | ..... | ..... | 21.59 | 20.00 | 26.92 | ..... |
| 9975 | ... | ..... | 13.14 | 12.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10004 | 1.52 | 1.50 | 2.09 | 2.00 | 4.12 | 9.25 | 9.00 | 13.37 | ..... | 18.31 | 16.25 |
| 10019 | ..... | ..... | 2.28 | 2.00 | 0.15 | 10.22 | 10.00 | 10.37 | ..... | 10.49 | 10.00 |
| 10055 | 2.51 | 2.00 | 2.41 | 2.00 | 2.42 | 8.53 | 8.00 | 10.95 | ..... | 20.69 | 17.40 |
| 10056 | 1.44 | 1.00 | 1.28 | 1.00 | 1.67 | 8.72 | 8.00 | 10.39 | ..... | 15.71 | 12.90 |
| 10021 | ..... | ..... | ..... | ..... | 0.60 | 16.16 | 14.00 | 16.76 | ..... | 12 93 | 11.20 |
| 9938 | 3.04 | 3.67 | ..... | ..... | 2.92 | 10.81 | 12.30 | 13.73 | ..... | 22.62 | 25.14 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9978 | J. L. Bullock, Baltimore, Md. | Pure Ground Raw Bone.. | Baltimore..... |
| 9999 | J. T. Carter, Denton, Md.. | Carter's Complete Compound. | Denton..... |
| 9981 | Josiah Cope & Co., Lincoln University, Pa. | Amm'd Bone Phos..... | Baltimore..... |
| 9982 | " " " | Sol. Bone and Potash.... | Baltimore..... |
| 10000 | F. P. Covey, Federalsburg, Md. | Stand. Bone Phos..... | Federalsburg..... |
| 10065 | J. A. Cranston Co., Newport, Del. | Bone Meal..... ..... | Leslie..... ..... |
| 10062 | " " " | Horse Shoe Sol. Bone... | Leslie..... |
| 10063 | " " " | Horse Shoe Sol. Bone and Potash. | Leslie..... |
| 10061 | " " " | Pa. Super. Phos..... | Leslie..... |
| 10066 | " " " | Raw Bone Super. Phos.. | Leslie..... |
| 10064 | " " " | Spec. Raw Bone Super. Phos. for Potatoes..... | Leslie..... |
| 9986 | Wm. Davison & Co., Baltimore, Md. | 'Bos" Amm'd Super Phos. | Baltimore..... |
| 9923 | " " " | Pen-Mar Amm'd Bone Phos. | Baltimore.... .... |
| 9887 | " " " | Special Mixture..... | Baltimore..... |
| 9961 | L. E. P. Dennis & Son, Crisfield, Md. | Fish and Potash Mixture | Snow Hill... .... |
| 10001 | " " " | Fish and Potash Mixture No. 2. | Federalsburg..... |
| 9960 | " " " | Tomato and Truck..... | Snow Hill..... |
| 10070 | Dudley & Carpenter, Baltimore, Md. | California Tobacco Compound. | Baltimore..... |
| 10069 | " " " | S. C. Rock..... | Baltimore..... |
| 9900 | " " " | Spec. Tobacco Plant Guano. | Baltimore..... |
| 10072 | Edelen Bros., Baltimore, Md. | H. G. Tobacco Fertz.... | Baltimore..... |
| 10052 | T. W. Eliason, Chestertown, Md. | No. 1 Amm'd Super Phos. of Lime & Pot. | Baltimore..... |
| 9995 | D. Englar, Jr., Medford, Md. | No. 3 Bone Phos..... | Medford..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9978 | 4.93 | 4.92 | ..... | ..... | ..... | ..... | ..... | 20.34 | 25.20 | $31.29 | $..... |
| 9999 | 1.53 | 1.30 | 4.55 | 4.00 | 2.32 | 9.45 | 9.00 | 11.77 | 10.00 | 20.28 | 17.95 |
| 9981 | 1.12 | 1.00 | 3.63 | 3.00 | 0.87 | 10.50 | 10 00 | 11.37 | ..... | 18.40 | 17.30 |
| 9982 | ..... | ..... | 2.28 | 2.00 | 0.82 | 12.90 | 10.00 | 13.73 | ..... | 12.76 | 10.00 |
| 10000 | 1.63 | 1.00 | 5.11 | 5.00 | 2.67 | 10.14 | ..... | 12.81 | 12.00 | 22.02 | ..... |
| 10065 | 4.40 | 4.00 | ..... | ..... | ..... | ..... | ..... | 21.38 | 20.00 | 29.42 | ..... |
| 10062 | ..... | ..... | ..... | ..... | 2.17 | 14.66 | 14.00 | 16.83 | ..... | 11.73 | 11.20 |
| 10063 | ..... | ..... | 2.02 | 2.00 | 2.15 | 11.32 | 10.00 | 13.47 | ..... | 11.51 | 10.40 |
| 10061 | 1.10 | 1.00 | 2.01 | 2.00 | 1.12 | 8.76 | 8.00 | 9.88 | ..... | 15.07 | 14.30 |
| 10066 | 2.23 | 2.00 | 2.49 | 2.00 | 1.82 | 10.02 | 9.00 | 11.84 | ..... | 21.04 | 18.00 |
| 10064 | 2.83 | 3.50 | 6.00 | 5.00 | 2.47 | 7.93 | 8.00 | 10.40 | ..... | 24.82 | 26.05 |
| 9986 | 2.32 | 2.50 | 3.29 | 2.50 | 3.31 | 12.87 | 8.00 | 16.18 | 11.00 | 25.60 | 20.45 |
| 9923 | 1.50 | 1.40 | 3.03 | 2.50 | 0.52 | 11.16 | 8.00 | 11.68 | 10.00 | 19.65 | 16.20 |
| 9887 | 3.14 | 3.50 | 3.98 | 4.50 | 0 50 | 10.19 | 7.00 | 10.69 | ..... | 25.96 | 24.95 |
| 9961 | 2.40 | 2.00 | 2.08 | 2.00 | 2.47 | 7.75 | 8.00 | 10.22 | ..... | 19.22 | 17.00 |
| 10001 | 2.65 | 2.00 | 3.63 | 3 00 | 2.62 | 6.76 | 8.00 | 9.38 | ..... | 20.71 | 18.00 |
| 9960 | 2.61 | 3.00 | 3.18 | 3.00 | 2.62 | 9.33 | 7.00 | 11.95 | ..... | 22.69 | 20.50 |
| 10070 | 4.52 | 4.00 | 2.03 | 2.00 | 3.52 | 8.37 | 8.00 | 11.89 | ..... | 27.63 | 24.00 |
| 10069 | ..... | ..... | ..... | ..... | 0.70 | 15.41 | 14.00 | 16.11 | ..... | 12.33 | 11.20 |
| 9900 | 9.38 | 10.00 | 2.76 | 2.00 | 1.00 | 6.96 | 7.00 | 7.96 | ..... | 42.95 | 44.00 |
| 10072 | 4.13 | 4.00 | 2.91 | 4.00 | 1.45 | 8.31 | 6.00 | 9.76 | ..... | 26.25 | 24.00 |
| 10052 | 2.01 | 1.50 | 2.65 | 1.00 | 0.72 | 12.38 | 9.00 | 13.10 | ..... | 22.35 | 16.25 |
| 9995 | 1.82 | 1.50 | 2.20 | 2.00 | 3.15 | 9.35 | 9.50 | 12.50 | 11.00 | 19.18 | 17.35 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9956 | Englar Bros. & Co., Linwood, Md. | No. 1 Amm'd Bone Phos. | Linwood..... |
| 9967 | " " " | No. 2 Amm'd Bone Phos. | Linwood..... |
| 10058 | Eureka Fertz. Co., Perryville, Md. | Corn & Potato Special.. | Rising Sun..... |
| 9901 | Excelsior Guano Co., Baltimore, Md. | Excelsior Peruvian Guano & Sol. Phos. | Baltimore..... |
| 9984 | Farmer's Fertz Co., Westminster, Md. | Acid Phos..... | Baltimore..... |
| 9969 | " " " | Carroll Bone Phos..... | Westminster..... |
| 9970 | " " " | P. A. & P. Phos..... | Westminster..... |
| 9971 | " " " | No. 3 Bone Phos..... | Westminster..... |
| 9968 | " " " | XX Bone Phos..... | Westminster..... |
| 10041 | W. S. Farmer & Co., Baltimore, Md. | B. & P. Phos..... | Baltimore..... |
| 10059 | " " " | Clyde Brand..... ..... | Baltimore..... |
| 10032 | " " " | Diss. S. C. Bone..... | Baltimore..... |
| 10040 | " " " | Fish Mixture..... | Baltimore..... |
| 9918 | " " " | No. 1. Potato Manure.... | Baltimore..... |
| 9892 | " " " | Spec Potato & Tobacco Guano | Baltimore..... |
| 9902 | " " " | Standard Phos..... | Baltimore..... |
| 10010 | Farmers & Planters Co. Salisbury, Md. | Fish Mixture..... | Salisbury..... |
| 10079 | " " " | Fish Mixture..... | Reeds Grove..... |
| 10012 | " " " | Gen. Crop Grower..... | Salisbury..... |
| 10013 | " " " | Special Fish Mixture.... | Salisbury..... |
| 10080 | " " " | Special Fish Mixture.... | Vienna..... |
| 10011 | " " " | Truckers and Planters Fertz. | Salisbury..... |
| 10049 | T. H. Gill, Avalon, Va.... | Try Me Fertilizer..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9966 | 2.11 | 2.25 | 1.31 | 1.30 | 1.50 | 11.52 | 11.25 | 13.02 | ..... | $20.89 | $20.42 |
| 9967 | 1.85 | 1.75 | 2.43 | 1.8 | 1.42 | 10.18 | 11.9 | 11.60 | ..... | 19.65 | 19.82 |
| 10058 | 1.14 | 1.00 | 2.20 | 3.00 | 4.52 | 9.88 | 9.00 | 14.40 | 11.00 | 17.78 | 15.50 |
| 9901 | 5.13 | 5.00 | 3.78 | 3.00 | 2.67 | 7.87 | 8.00 | 10.54 | ..... | 30.67 | 28.50 |
| 9934 | ..... | ..... | ..... | ..... | 1.67 | 14.23 | 14.00 | 15.90 | 16.00 | 11.38 | 11.20 |
| 9969 | 1.13 | 0.50 | 2.60 | 2.00 | 1.57 | 7.27 | 7.00 | 8.84 | 8.00 | 14.45 | 9.55 |
| 9970 | ..... | ..... | 2.90 | 3.00 | 0.87 | 10.82 | 11.00 | 11.69 | ..... | 11.73 | 11.80 |
| 9971 | 1.51 | 1.50 | 3.05 | 3.00 | 1.52 | 8.24 | 8.00 | 9.76 | 9.00 | 17.18 | 16.65 |
| 9968 | 1.04 | 1.00 | 3.15 | 3.00 | 1.47 | 8.96 | 9.00 | 10.43 | 10.00 | 16.34 | 15.90 |
| 10041 | ..... | ..... | 2.18 | 2.00 | 2.12 | 10.03 | 10.00 | 12.15 | ..... | 10.62 | 10.30 |
| 10059 | 1.27 | 1.00 | 2.61 | 2.00 | 0.62 | 9.23 | 8.00 | 9.85 | ..... | 16.53 | 13.90 |
| 10032 | ..... | ..... | ..... | ..... | 0.27 | 15.79 | 14.00 | 16.06 | ..... | 12.63 | 11.20 |
| 10040 | 1.86 | 2.00 | 1.89 | 2.00 | 2.07 | 10.38 | 8.00 | 12.45 | ..... | 19.61 | 17.00 |
| 9918 | 4.80 | 4.50 | 7.79 | 7.00 | 1.95 | 7.72 | 8.00 | 9.67 | ..... | 33.09 | 31.15 |
| 9892 | 3.01 | 3.00 | 3.21 | 3.00 | 1.40 | 8.63 | 9.00 | 10.03 | ..... | 22.93 | 22.90 |
| 9902 | 2.76 | 2.60 | 2.86 | 2.50 | 2.17 | 10.05 | 10.00 | 12.22 | ..... | 23.44 | 21.60 |
| 10010 | 2.68 | 3.00 | 2.97 | 2.00 | 2.20 | 8.20 | 7.00 | 10.40 | ..... | 21.43 | 19.50 |
| 10079 | 2.85 | 3.00 | 3.15 | 2.00 | 1.50 | 8.32 | 7.00 | 9.82 | ..... | 22.04 | 19.50 |
| 10012 | 1.76 | 1.00 | 2.33 | 2.00 | 1.4 | 10.08 | 10.00 | 11.53 | ..... | 19.15 | 15.50 |
| 10013 | 3.03 | 2.50 | 6.91 | 5.00 | 1.65 | 6.98 | 8.00 | 8.63 | ..... | 25.05 | 21.75 |
| 10080 | 1.86 | 2.50 | 5.62 | 5.00 | 1.60 | 7.49 | 8.00 | 9.09 | ..... | 20.26 | 21.75 |
| 10011 | 3.44 | 3.50 | 4.92 | 4.00 | 1.72 | 7.69 | 8.00 | 9.41 | ..... | 25.34 | 24.25 |
| 10049 | 2.78 | 2.00 | 3.37 | 2.00 | 1.05 | 9.97 | 9.00 | 11.02 | ..... | 23.49 | 18.00 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9992 | Griffith & Boyd, Baltimore, Md. | Amm'd Bone Phos..... | Baltimore..... |
| 9955 | " " " | Amm'd Sol. Bone..... | Baltimore..... |
| 9922 | " " " | Cereal Bone Plant Food. | Baltimore..... |
| 9965 | " " " | Farmer's Potato Manure. | Union Bridge..... |
| 9869 | " " " | Fish, Bone and Potash... | Baltimore..... |
| 9991 | " " " | Harvest Queen..... | Baltimore..... |
| 9854 | " " " | H. G. Acid Phos..... | Baltimore..... .. |
| 9910 | " " " | Peerless Fertz..... | Baltimore..... |
| 9990 | " " " | Pure Dis. Animal Bone.. | Baltimore..... |
| 9913 | " " " | Royal Potash Guano.... | Baltimore..... |
| 10031 | " " " | Royal Potash Guano..... | Vienna..... |
| 9866 | " " " | 7% Guano..... | Baltimore..... |
| 10050 | " " " | Soft Ground Bone..... | Baltimore..... |
| 9972 | " " " | Spec 10% Truck Phos... | Baltimore..... |
| 9876 | " " " | Spring Crop Grower.... | Baltimore..... |
| 9868 | " " " | Stable Manure Subst.... | Baltimore..... |
| 10005 | " " " | Tiger Brand..... | Myersville..... |
| 9909 | " " " | Valley Fertilizer ..... | Baltimore..... |
| 10002 | " " " | XX Potash Manure..... | Federalsburg..... |
| 9903 | Griffith & Turner, Baltimore, Md. | Amm'd Alk. Plant Food | Baltimore..... ... |
| 9939 | " " " | Animal Bone Phos..... | Baltimore..... |
| 10060 | " " " | Dis. Bone..... | Baltimore..... |
| 9861 | " " " | H. G. Acid Phos..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9992 | 2.48 | 2.00 | 3.10 | 2.00 | 2.02 | 8.26 | 8.00 | 10.28 | 9.00 | $20.85 | $17.40 |
| 9955 | .87 | 1.00 | 2.01 | 2.00 | 2.47 | 9.11 | 7.00 | 11.58 | 8.00 | 12.83 | 12.90 |
| 9923 | 1.14 | 1.00 | 2.65 | 2.00 | 2.12 | 8.41 | 8.00 | 10.53 | .00 | 15.90 | 13.90 |
| 9965 | 1.12 | 1.00 | 10.04 | 9.00 | 1.90 | 7.88 | 8.00 | 9.78 | ..... | 22.60 | 20.50 |
| 9869 | 1.78 | 1.75 | 3.01 | 3.00 | 2.30 | 7.57 | 7.00 | 9.87 | ..... . | 17.73 | 16.52 |
| 9991 | 1.72 | 1.50 | 2.68 | 2.50 | 1.97 | 10.46 | 10.00 | 12.43 | 11.00 | 19.95 | 18.15 |
| 9854 | ..... | ..... | ..... | ..... | 1.45 | 14.47 | 14.00 | 15.92 | 15.00 | 11.58 | 11.20 |
| 9910 | .45 | .25 | 2.44 | 2.00 | 2.52 | 8.22 | 8.00 | 10.74 | 9.00 | 11.09 | 9.48 |
| 9990 | 2.30 | 2 50 | ..... | ..... | 2.32 | 11.36 | 10.00 | 13.68 | 11.00 | 20.34 | 19.15 |
| 9913 | 1.12 | 1.00 | 4.16 | 4.00 | 2.77 | 7.50 | 8.00 | 10.27 | ..... | 16.69 | 16.90 |
| 10081 | 1.24 | 1.00 | 4.14 | 4.00 | 2.92 | 7.18 | 8.00 | 10.10 | ..... | 16.83 | 15.50 |
| 9866 | 5.97 | 5.00 | 5.84 | 7.00 | 3.12 | 6.45 | 5.00 | 9.57 | ..... | 34.43 | 29.50 |
| 10050 | 3.74 | 3.00 | ..... | ..... | 11.40 | 3.47 | ..... | 14.87 | 11.00 | 21.12 | ..... |
| 9972 | 9.42 | 10.00 | 2.96 | 2.00 | 2.35 | 5.23 | 6.00 | 7.58 | ..... | 42.10 | 43.00 |
| 9876 | 2.03 | 2.00 | 4.54 | 4.50 | 2.27 | 7.77 | 6.50 | 10.04 | 8.00 | 20.32 | 18.40 |
| 9868 | 3.52 | 3.50 | 4.49 | 4.00 | 2.65 | 5.35 | 5.00 | 8.00 | ..... | 23.22 | 21.25 |
| 10005 | 1.12 | 1.00 | 3.36 | 3.00 | 1.82 | 9.07 | 9.00 | 10.89 | ..... | 17.08 | 16.30 |
| 9909 | .64 | .50 | 3.40 | 3.00 | 1.67 | 8.66 | 8.00 | 10.33 | 9.00 | 12.90 | 11.65 |
| 10002 | ..... | ..... | 5.60 | 5.00 | 1.12 | 10.01 | 10.00 | 11.10 | 11.00 | 13.83 | 13.20 |
| 9903 | 1.32 | 1.00 | 2.05 | 1.50 | 2.80 | 6.53 | 6.50 | 9.33 | 7.50 | 14.22 | 11.90 |
| 9939 | 2.13 | 2.50 | 2.65 | 1.50 | 1.80 | 8.81 | 10.00 | 10.61 | 11.00 | 19.63 | 20.65 |
| 10060 | .96 | 2.00 | ..... | ..... | 2.02 | 12.77 | 9.00 | 14.79 | 10.00 | 13.98 | 16.40 |
| 9861 | ..... | ..... | ..... | ..... | 1.45 | 14.14 | 14.00 | 15.59 | 15.00 | 11 31 | 11.20 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 9882 | Griffith & Turner, Baltimore, Md. | Soft Ground Bone..... | Baltimore..... |
| 10236 | Hanway & Keen, Belair Md. | H. & K. Ground Bone... | Baltimore..... |
| 10235 | " " " | H. & K. Spec. Mix ..... | Baltimore..... |
| 10198 | " " " | H. & K. Stand. High Grade | Baltimore..... |
| 10309 | W. R. Hearn & Co., Cambridge, Md. | Farmers' Friend..... | Baltimore... ..... |
| 10219 | S. M. Hess & Bro., Phila., Pa. | Amm'd Bone Super Phos. | Baltimore..... |
| 10248 | " " " | Emperor Phos..... | Baltimore..... |
| 10295 | " " " | Farmers' Cereal King... | Childs ..... |
| 10296 | " " " | Ground Bone..... | Childs ..... |
| 10247 | " " " | H. G. Acid Phosphate... | Baltimore..... |
| 10218 | " " " | Keystone Bone Phos.... | Baltimore..... |
| 10220 | " " " | Potato and Truck Manure. | Baltimore..... |
| 10297 | " " " | Sol. Bone and Potash... | Childs ..... |
| 10249 | " " " | Spec. Compound ..... | Baltimore..... |
| 10221 | " " " | Spec. Corn Manure..... | Baltimore..... |
| 10340 | Home Fertz. Chem. Wks Balto., Md. | Boykin's Cereal Wheat Fertz. | Baltimore..... |
| 10189 | " " " | Boykin's Dis. An. Bone. | Baltimore..... |
| 10188 | " " " | H. G. Acid Phos.... ... | Baltimore..... |
| 10339 | " " " | Yancey's Formula for Yellow Leaf Tobacco. | Baltimore... ..... |
| 10250 | W. H. Hood, Mt. Airy Md | Spec. Mix. for Grain and Grass. | Mt. Airy..... |
| 10185 | Josh. Horner, Jr. & Co., Baltimore, Md. | Amm'd Raw Bone Super Phos. | Baltimore..... |
| 10186 | " " " | Concentrated Md. Super. Phos | Baltimore..... |
| 10187 | " " " | S. H. Bone Dust..... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 9882 | 3.04 | 3.00 | ..... | ..... | 12.02 | 11.08 | 11.00 | 23.10 | ..... | $26.53 | $21.50 |
| 10236 | 2.93 | 3.00 | ..... | ..... | ..... | ..... | ..... | 23.30 | 22.00 | 28.10 | ..... |
| 10235 | 1.07 | 1.00 | 2.25 | 2.00 | 0.80 | 9.09 | 9.00 | 9.89 | 10.00 | 15.40 | 14.90 |
| 10198 | 2.53 | 2.50 | 3.41 | 3.00 | 1.70 | 7.90 | 8.00 | 9.60 | 9.00 | 20.84 | 20.15 |
| 10309 | 2.30 | 2.00 | 4.02 | 4.00 | 1.77 | 8.13 | 8.00 | 9.90 | ..... | 20.91 | 19.00 |
| 10219 | 2.13 | 2.00 | 2.24 | 2.00 | 1.30 | 9.28 | 8.00 | 10.58 | ..... | 19.50 | 17.00 |
| 10248 | ... | ..... | 1.34 | 1.00 | 0.95 | 10.46 | 10.00 | 11.41 | ..... | 9.90 | 9.20 |
| 10295 | ..... | ..... | 1.93 | 3.00 | 0.65 | 12.97 | 12.00 | 13.62 | ..... | 12.44 | 12.80 |
| 10296 | 3.89 | 4.00 | ..... | ..... | ..... | .... | ..... | 19.01 | 20.00 | 26.24 | ..... |
| 10247 | ..... | ..... | ..... | ..... | 0.52 | 14.89 | 14.00 | 15.41 | ..... | 11.91 | 11.20 |
| 10218 | 1.17 | 1.00 | 1.32 | 1.00 | 1.07 | 8.80 | 8.00 | 9.87 | ..... | 14.65 | 13.30 |
| 10220 | 3.32 | 3.00 | 6.83 | 6.00 | 1.40 | 8.32 | 8.00 | 9.72 | ..... | 27.33 | 24.50 |
| 10297 | ..... | ..... | 2.21 | 2.00 | 1.92 | 9.42 | 10.00 | 11.34 | ..... | 10.13 | 10.00 |
| 10249 | 1.21 | 1.00 | 4.04 | 4.00 | 0.95 | 8.14 | 8.00 | 9.09 | ..... | 16.79 | 15.90 |
| 10221 | 1.24 | 1.00 | 2.57 | 2.00 | 0.57 | 9.38 | 8.00 | 9.95 | ..... | 16.52 | 13.50 |
| 10340 | 2.01 | 2.00 | 2.63 | 2.00 | 1.52 | 8.39 | 8.00 | 9.91 | 10.00 | 18.67 | 17.40 |
| 10189 | 2.31 | 2.00 | ..... | ..... | 3.97 | 11.60 | 12.00 | 15.57 | 14.00 | 21.27 | 19.00 |
| 10188 | ..... | ..... | ..... | ..... | 0.32 | 16.33 | 14.00 | 16.65 | ..... | 13.06 | 11.20 |
| 10339 | 2.66 | 3.00 | 1.95 | 2.00 | 0.90 | 9.11 | 8.00 | 10.01 | ..... | 21.12 | 20.50 |
| 10250 | 1.27 | 1.00 | 2.04 | 2.00 | 2.67 | 9.98 | 9.00 | 12.65 | ..... | 17.53 | 14.50 |
| 10185 | 2.47 | 2.50 | 3.01 | 2.50 | 2.30 | 8.10 | 8.00 | 10.40 | ..... | 20.68 | 20.85 |
| 10186 | 3.79 | 3.50 | 1.72 | 1.00 | 5.20 | 7.82 | ..... | 13.02 | ..... | 24.88 | ..... |
| 10187 | 6.59 | 6.00 | ..... | ..... | .... | .... | ..... | 19.86 | 20.00 | 34.52 | ..... |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10338 | Joshua Horner. Jr., & Co., Baltimore Md. | Va. Tobacco Sustain..... | Baltimore. ..... |
| 10306 | The Hubbard Fertilizer Co., Baltimore, Md. | Columbia Gem Phos..... | Baltimore..... |
| 10155 | " " " | Crescent Sol. Crop Producer. | Baltimore... ..... |
| 10310 | " " " | Dissolved Bone..... | Baltimore..... |
| 10171 | " " " | Farmers' I. X. L. Super-Phosphate. | Baltimore..... |
| 10352 | " " " | Farmers' I. X. L. Super Phosphate. | Chase..... |
| 10217 | " " " | H. G. Sol. Tenn. Phos... | Baltimore..... |
| 10156 | " " " | Oriental Phosphate..... | Baltimore..... |
| 10287 | " " " | Pure Raw Bone ..... | Cowenton..... |
| 10264 | " " " | Robinson's Special Compound. | Cowenton..... |
| 10109 | " " " | Royal Ensign..... | Baltimore..... |
| 10245 | " " " | Sol. Bone and Potash.... | Baltimore..... |
| 10360 | " " " | Sol. Bone and Potash.... | Bethlehem..... |
| 10190 | " " " | Standard Bone Super-Phosphate. | ..... .... ..... |
| 10154 | " " " | Truckers' 7 per ct. Royal Seal Compound. | Baltimore..... |
| 10355 | " " " | Truckers' 7 per ct. Royal Seal Compound. | ..... |
| 10216 | " " " | Warranted Pure Raw Bone. | Baltimore..... |
| 10114 | M. P Hubbard & Co., Baltimore, Md. | Bermuda Guano..... | Baltimore ..... |
| 10143 | " " " | Celebrated Dissolved Bone Phosphate. | Baltimore..... |
| 10113 | " " " | Farmers' Acme Fertz... | Baltimore..... |
| 10116 | " " " | Farmers' Old Economy.. | Baltimore..... |
| 10316 | " " " | Havana Special for Tobacco | Baltimore..... |
| 10169 | " " " | H. G. Soluble S C. Phos. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10338 | 2.17 | 2.50 | 2.06 | 2.25 | 2.97 | 10.50 | 7.00 | 13.47 | ..... | $21.35 | $19.20 |
| 10306 | 0.76 | 0.50 | 1.54 | 1.00 | 4.07 | 7.30 | 8.00 | 11.37 | ..... | 10.85 | 9.15 |
| 10155 | ..... | ..... | ..... | ..... | 5.12 | 9.79 | 10.00 | 14.91 | ..... | 7.83 | 8.00 |
| 10310 | 1.96 | 2.50 | ..... | ..... | 2.65 | 10.12 | 10.00 | 12.77 | ..... | 18.04 | 18.75 |
| 10171 | 3.03 | 2.00 | 2.98 | 2.00 | 2.47 | 8.13 | 8.00 | 10.60 | ..... | 22.70 | 17.00 |
| 10352 | 2.24 | 2.00 | 2.58 | 2.00 | 3.20 | 7.36 | 8.00 | 10.56 | ..... | 19.06 | 17.00 |
| 10217 | ..... | ..... | ..... | ..... | 1.67 | 14.15 | 14.00 | 15.82 | ..... | 11.32 | 11.20 |
| 10156 | 1.38 | 1.00 | 1.61 | 1.00 | 4.15 | 7.56 | 8.00 | 11.71 | ..... | 15.66 | 12.50 |
| 10287 | 4.67 | 4.00 | ..... | ..... | ..... | ..... | ..... | 21.44 | ..... | 28.86 | ..... |
| 10264 | 1.56 | 1.50 | 2.52 | 2.50 | 0.87 | 11.05 | 10.00 | 11.92 | ..... | 19.38 | 18.15 |
| 10109 | 3.21 | 3 00 | 3.96 | 4.00 | 1.67 | 8.28 | 8.00 | 9.95 | ..... | 24.13 | 22.50 |
| 10245 | .... | ..... | 2.02 | 2.00 | 4.70 | 9.11 | 10.00 | 13.81 | ..... | 10.25 | 10.00 |
| 10360 | ..... | ..... | 1.25 | 2.00 | 1.30 | 12.16 | 10.00 | 13.46 | ..... | 11.24 | 10.00 |
| 10190 | 2.37 | 2.00 | 3.66 | 3.00 | 2.25 | 8.01 | 8.00 | 10.26 | ..... | 20.87 | 18.00 |
| 10154 | 5.44 | 7.00 | 5.25 | 5.00 | 1.52 | 7.16 | 6.00 | 8.68 | ..... | 32.06 | 35.50 |
| 10355 | 5.99 | 7.00 | 5.89 | 5.00 | 1.22 | 6.44 | 6.00 | 7.66 | ..... | 33.78 | 35.50 |
| 10216 | 3.33 | 3.50 | ..... | ..... | ..... | ..... | ..... | 24.26 | ..... | 29.77 | ..... |
| 10114 | 6.05 | 7.00 | 5.23 | 4.00 | 0.47 | 9.17 | 7.00 | 9.64 | ..... | 35.76 | 35.50 |
| 10143 | 2.32 | 2.00 | 2.80 | 2.00 | 1.20 | 9.01 | 9.00 | 10.21 | ..... | 20.41 | 18.00 |
| 10113 | 2.44 | 2.00 | 2.51 | 2.00 | 0.90 | 8.08 | 7.00 | 8.98 | ..... | 19.49 | 16.00 |
| 10116 | 0.81 | 5.00 | 1.71 | 1.50 | 1.42 | 9.13 | 8.00 | 10.55 | 10.00 | 12.12 | 10.05 |
| 10316 | 2.81 | 2.50 | 3.33 | 2.50 | 0.92 | 9.08 | 9.00 | 10.10 | ..... | 22.62 | 20.25 |
| 10169 | ..... | ..... | ..... | ..... | 0.72 | 15.50 | 14.00 | 16.22 | ..... | 12.40 | 11.20 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College). |
|---|---|---|---|
| 10134 | M. P. Hubbard & Co., Baltimore, Md. | Sol. Bone and Potash.... | Baltimore..... |
| 10141 | T. R. Hubbard & Son, Chestertown, Md. | Our Peerless Fertz..... | Baltimore..... |
| 10336 | " " " | Our Peerless Fertz..... | Vienna..... |
| 10345 | " " " | Our Peerless Fertz..... | Crumpton..... |
| 10346 | " " " | Our Special Potato Manure. | Crumpton..... |
| 10323 | C. M. Keedy, Keedysville, Md. | Money Saving Phos..... | Keedysville..... |
| 10144 | S. L. Lamberd Co., Baltimore, Md. | Soft Ground Bone..... | Baltimore..... |
| 10304 | " " " | Special Anne Arundel Mixture. | Baltimore..... |
| 10265 | Lister's Ag'l Chem. W'ks, Newark, N. J. | Amm'd Dissolved Animal Bone. | Bengies..... |
| 10197 | " " " | Celebrated Ground Bone, (Acidulated. | Baltimore..... |
| 10182 | " " " | Corn and Potato Fertz.... | Baltimore..... |
| 10268 | " " " | Diss. Bone Phos. ..... | Middle River..... |
| 10100 | " " " | Harvest Queen..... | Baltimore..... |
| 10126 | " " " | Potato Manure..... | Baltimore..... |
| 10108 | " " " | Special Crop Producer... | Baltimore..... |
| 10101 | " " " | Special Potato Fertz.... | Baltimore..... |
| 10180 | " " " | Stand. Bone Super Phos. of Lime. | Baltimore ..... |
| 10266 | " " " | Success Fertz..... .... | Middle River ..... |
| 10272 | The Mapes Formula Co., N. Y. | Fruit and Vine Manure .. | Goldsboro..... |
| 10152 | " " " | Potato Manure..... | Baltimore..... |
| 10351 | " " " | Potato Manure..... | Snow Hill..... |
| 10224 | " " " | Vegetable or Complete Fertz. | Snow Hill..... |
| 10362 | " " " | Vegetable or Complete Fertz. | Baltimore ..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guarranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10134 | ..... | ..... | 2.01 | 2.00 | 1.00 | 10.70 | 10.00 | 11.70 | 12.00 | $10.77 | $10.40 |
| 10141 | 1.96 | 2.00 | 3.94 | 4.00 | 2.00 | 8.38 | 7.00 | 10.38 | ..... | 19.98 | 18.00 |
| 10336 | 1.84 | 2.00 | 3.73 | 4.00 | 1.62 | 8.73 | 7.00 | 10.35 | ..... | 19.54 | 18.00 |
| 10345 | 1.96 | 2.00 | 4.06 | 4.00 | 1.75 | 8.28 | 7.00 | 10.03 | ..... | 19.90 | 18.00 |
| 10346 | 2.09 | 2.00 | 8.85 | 8.00 | 1.62 | 6.80 | 6 00 | 8.42 | .... ... | 23.61 | 21.00 |
| 10323 | 1.24 | 2.00 | 4.04 | 3.00 | 3.45 | 8.45 | ..... | 11.90 | 9.00 | 18.21 | ..... |
| 10144 | 4.12 | 3 00 | ..... | ..... | 9.65 | 4.43 | ..... | 14.08 | 11.00 | 22.71 | .. |
| 10304 | 2.73 | 3 00 | 3.46 | 3.00 | 2.62 | 8.46 | 8.00 | 11.08 | 9.00 | 22.52 | 21.90 |
| 10265 | 2.66 | 2.50 | 1.58 | 1.50 | 2.65 | 10.13 | 8.00 | 12.78 | 9.00 | 22.03 | 18.25 |
| 10197 | 3.83 | 3.25 | .... | ..... | 9.27 | 5.79 | .... ... | 15.06 | 12.00 | 22.91 | ..... |
| 10132 | 2.23 | 2.00 | 3.40 | 3.00 | 3.50 | 7.65 | 8.00 | 11.15 | 9 00 | 20.25 | 18.40 |
| 10268 | 2.59 | 2.20 | 1.64 | 1.50 | 2.57 | 10 15 | 9.00 | 12.72 | ..... | 21.88 | 19.00 |
| 10100 | 1.77 | 1.50 | 2.02 | 2.00 | 2.35 | 10.14 | 9.00 | 12.49 | 11.00 | 19.49 | 16.25 |
| 10126 | 3.79 | 4.00 | 6.59 | 7.00 | 2.25 | 9.23 | 8.00 | 11.48 | 9.00 | 29.98 | 29.40 |
| 10108 | 1.31 | 1.00 | 1.51 | 1.00 | 2.77 | 7.26 | 7.00 | 10.03 | 8.00 | 14.86 | 11.50 |
| 10101 | 2.07 | 2 00 | 3.03 | 3.00 | 3.77 | 7.94 | 8.00 | 11.71 | ..... | 19.73 | 18.00 |
| 10180 | 3.28 | 3.00 | 2.50 | 2.00 | 1.95 | 10.28 | 9 00 | 12.23 | 11.00 | 25.04 | 21.50 |
| 10266 | 1.63 | 1.50 | 2.18 | 2.00 | 2.77 | 10.03 | 9.00 | 12.80 | 11.00 | 19.02 | 17.05 |
| 10272 | 2.68 | 2.00 | 12.21 | 10.00 | 1.92 | 6.39 | 5 00 | 8.31 | ..... | 30.99 | 22.40 |
| 10152 | 4.56 | 4·00 | 7.87 | 8.00 | 2.95 | 7.19 | 4.00 | 10.14 | ..... | 33.57 | 26.80 |
| 10351 | 4.68 | 4.00 | 7.53 | 8.00 | 3.12 | 7.39 | 4.00 | 10.51 | ..... | 33.86 | 26.80 |
| 10224 | 6.94 | 6.00 | 8.05 | 6 00 | 2.67 | 6.52 | 6.00 | 9.19 | ..... | 40.79 | 33.40 |
| 10362 | 6.23 | 6.00 | 6.74 | 6.00 | 3.15 | 6.36 | 6.00 | 9.51 | ... ... | 37.11 | 33.00 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10168 | F. Maynard, Baltimore, Md. | Maynard's Choice..... | Baltimore..... |
| 10167 | " " " | Special Vegetator..... | Baltimore..... |
| 10173 | " " " | Trucker's Pride..... | Baltimore..... |
| 10330 | F. Mehring, Bruceville, Md. | Dissolved Raw Bone.... | Williamsport..... |
| 10329 | " " " | Emmert's Half and Half. | Williamsport..... |
| 10195 | Miller Fertilizer Co., Baltimore, Md. | Ammoniated Dissolved Bone. | Baltimore..... |
| 10300 | " " " | Dissolved Raw Bone... | Ellicott City..... |
| 10149 | " " " | Harvest Queen..... | Baltimore..... |
| 10115 | " " " | Hustler Phosphate..... | Baltimore... ..... |
| 10163 | " " " | McAfee's Special Mixture. | Baltimore... ..... |
| 10196 | " " " | Potato and Vegetable Grower. | Baltimore..... |
| 10103 | " " " | No. 1 Special Potato and Vegetable Grower. | Baltimore..... |
| 10159 | " " " | Special Tobacco Grower | Baltimore..... |
| 10127 | " " " | Special Tomato Grower | Baltimore..... |
| 10285 | " " " | Special Tomato Grower. | Two Johns..... |
| 10111 | " " " | Standard Phosphate ... | Baltimore..... |
| 10349 | " " " | Standard Phosphate..... | New Market..... |
| 10150 | " " " | W. G. Phosphate..... | Baltimore..... |
| 10341 | G. R. Mowell, Glencoe, Md. | S. C. Rock..... | Glencoe..... |
| 10332 | " " " | Standard Bone Phos.... | Glencoe..... |
| 10333 | W. C. Newport Co., Phila. Pa. | Bone Meal..... | Colora..... |
| 10334 | " " " | Clear Acid Phosphate.. | Colora..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10168 | 3.19 | 3.15 | 3.11 | 2.50 | 2.05 | 7.75 | 7.00 | 9.80 | ..... | $22.84 | $20.52 |
| 10167 | 2.37 | 2.00 | 2.52 | 2.00 | 1.60 | 8.15 | 8.00 | 9.75 | ..... | 19.61 | 17.00 |
| 10173 | 4.78 | 5.00 | 3.19 | 2.50 | 2.20 | 6.58 | 5.00 | 8.78 | ..... | 27.38 | 25.80 |
| 10330 | 2.23 | 2.00 | ..... | ..... | 1.30 | 14.70 | 14.00 | 16.00 | ..... | 23.02 | 21.40 |
| 10329 | 1.11 | 1.00 | ..... | ..... | 2.43 | 15.89 | 14.00 | 18.32 | ..... | 20.75 | 17.90 |
| 10195 | 2.14 | 2.00 | 2.02 | 2.00 | .90 | 8.45 | 8.00 | 9.35 | ..... | 18.32 | 17.80 |
| 10300 | 2.62 | 2.50 | ..... | ..... | 1.77 | 12.32 | 11.00 | 14.09 | 14.00 | 22.20 | 19.75 |
| 10149 | 1.65 | 1.25 | 2.01 | 2.25 | 0.95 | 10.51 | 10.00 | 11.46 | ..... | 18.68 | 17.22 |
| 10115 | 1.14 | 1.00 | 1.10 | 1.00 | 1.87 | 8.51 | 8.00 | 10.38 | ..... | 14.35 | 13.30 |
| 10163 | 2.66 | 2.50 | 2.73 | 2.50 | 2.60 | 9.83 | 9.10 | 12.43 | ..... | 22.91 | 20.25 |
| 10196 | 2.35 | 2.00 | 2.79 | 4.00 | 0.80 | 9.08 | 8.00 | 9.88 | ..... | 20.42 | 19.40 |
| 10103 | 4.77 | 4.50 | 9.31 | 7.00 | 1.45 | 7.47 | 8.00 | 8.92 | 9.00 | 34.05 | 31.15 |
| 10159 | 1.77 | 2.00 | 2.40 | 4.00 | 1.07 | 9.95 | 8.00 | 11.02 | ..... | 18.97 | 19.40 |
| 10127 | 2.01 | 2.00 | 2.76 | 2.00 | 1.12 | 8.57 | 8.00 | 9.69 | ..... | 18.81 | 17.80 |
| 10285 | 2.25 | 2.00 | 1.43 | 2.00 | 2.05 | 9.23 | 8.00 | 11.28 | ..... | 19.36 | 17.80 |
| 10111 | 2.97 | 3.00 | 2.51 | 3.00 | 1.02 | 9.56 | 8.00 | 10.58 | ..... | 22.88 | 22.30 |
| 10349 | 3.06 | 3.00 | 3.62 | 3.00 | 1.55 | 9.06 | 8.00 | 10.61 | 10.00 | 24.01 | 22.30 |
| 10150 | 0.85 | .50 | 1.40 | 1.00 | 2.17 | 7.24 | 7.00 | 9.41 | ..... | 10.59 | 8.75 |
| 10341 | ..... | ..... | ..... | ..... | 1.77 | 14.15 | 14.00 | 15.92 | 15.00 | 11.32 | 11.20 |
| 10332 | 1.82 | 2.00 | 2.70 | 2.00 | 2.80 | 9 64 | 10.00 | 12.44 | 11.00 | 19.83 | 19.40 |
| 10333 | 4.77 | 4.00 | ..... | ..... | ..... | ..... | ..... | 20.78 | ..... | 32.03 | ..... |
| 10334 | ..... | ..... | ..... | ..... | 3.50 | 14.82 | 14.00 | 18.32 | ..... | 11.86 | 11.20 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10344 | W. C. Newport Co., Philadelphia, Pa. | Fish Bone & Potash..... | Kennedyville ..... |
| 10381 | " " " | Grain and Grass Special. | Preston..... |
| 10283 | " " " | No. 1 Bone Phos..... | Preston..... |
| 10277 | " " " | Potato, Tobacco and Truck Guano. | Federalsburg ..... |
| 10366 | " " " | Potato, Tobacco and Truck Guano. | Silver Springs.... |
| 10278 | " " " | Sol. Bone and Potash.... | Federalsburg..... |
| 10282 | " " " | Special Compound..... | Preston..... |
| 10367 | " " " | Special Compound..... | Silver Springs..... |
| 10284 | " " " | Trucker's Joy..... | Preston. ... ..... |
| 9815 | J. B. Nichols & Son, Baltimore, Md. | Farmers' Friend Guano . | Baltimore,..... |
| 10161 | G. Ober & Sons Co., Baltimore, Md. | Avondale Amm'd Diss. Bone. | Baltimore..... |
| 10263 | " " " | Diss. Animal Bone..... | Cowenton..... |
| 10105 | " " " | Diss. Bone Phos..... | Baltimore..... |
| 10307 | " " " | Diss. Bone Phos. and Potash. | Baltimore..... |
| 10194 | " " " | Farmers' Mixture..... | Baltimore..... |
| 10201 | " " " | Farmers' Stand Amm'd Phos. | Baltimore..... |
| 10106 | " " " | Fish, Bone and Potash .. | Baltimore..... |
| 10241 | " " " | Fish and Potash Fertilizer | Baltimore..... |
| 10157 | " " " | Pure Raw Bone Meal.... | Baltimore..... |
| 10160 | " " " | Special Compound for Tobacco. | Baltimore..... |
| 10153 | " " " | Special Plant Food..... | Baltimore..... |
| 10147 | Patapsco Guano Co., Baltimore, Md. | Baltimore Soluble Phos.. | Baltimore..... |
| 10228 | " " " | Bone and Potash..... | Snow Hill..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10344 | 1.77 | 2.00 | 5.54 | 5.00 | 1.77 | 6.92 | 7.00 | 8.69 | ..... | $19.37 | $19.40 |
| 10281 | 0.73 | .50 | 1.71 | 2.00 | 3.02 | 8.33 | 8.00 | 11.35 | ..... | 11.52 | 10.35 |
| 10283 | 1.79 | 2.00 | 3.18 | 2.00 | 2.85 | 8.01 | 8.00 | 10.86 | ..... | 18.59 | 17.40 |
| 10277 | 0.94 | 1.00 | 6.02 | 6.00 | 2.92 | 6.76 | 6.00 | 9.68 | ..... | 15.30 | 15.90 |
| 10366 | 0.97 | 1.00 | 5.94 | 6.00 | 1.97 | 6.93 | 6.00 | 8.90 | ..... | 14.67 | 15.90 |
| 10278 | .68 | ..... | 2.01 | 2.00 | 2.87 | 8.39 | 10.00 | 11.26 | ..... | 11.67 | 10.20 |
| 10282 | 1.51 | 1.25 | 2.01 | 2.00 | 3.07 | 8.41 | 10.00 | 11.48 | ..... | 16.93 | 16.77 |
| 10367 | 1.31 | 1.25 | 2.10 | 2.00 | 3.27 | 8.31 | 10.00 | 11.58 | ..... | 16.31 | 16.77 |
| 10284 | 4.42 | 5.00 | 5.05 | 6.00 | 2.70 | 6.52 | 8.00 | 9.22 | ..... | 28.12 | 31.90 |
| 9815 | 4.38 | 4.00 | 5.57 | 4.00 | 2.45 | 6.35 | 8.00 | 8.80 | ..... | 28.23 | 26.00 |
| 10161 | 2.72 | 2.25 | 2.38 | 1.50 | 1.65 | 9.71 | 8.50 | 11.36 | ..... | 22.27 | 18.97 |
| 10263 | 3.68 | 3.00 | ..... | ..... | 3.77 | 11.51 | 10.00 | 15.28 | 12.00 | 25.90 | 21.30 |
| 10105 | .... | ..... | .... | ..... | 1.52 | 15.22 | 14.00 | 16.74 | 12.00 | 12.18 | 11.20 |
| 10307 | ..... | ..... | 3.83 | 2.00 | 0.55 | 11.53 | 11.00 | 12.08 | ..... | 13.18 | 10.80 |
| 10194 | 1.39 | 1.00 | 2.74 | 2.00 | 2.37 | 9.75 | 9.00 | 12.12 | ..... | 18.30 | 14.50 |
| 10201 | 2.36 | 2.00 | 2.15 | 2.00 | 1.77 | 10.82 | 9.00 | 12.59 | ..... | 21.94 | 18.00 |
| 10106 | 3.02 | 3.25 | 3.26 | 3.50 | 1.27 | 9.70 | 8.00 | 10.97 | ..... | 24.04 | 22.87 |
| 10241 | 2.39 | 2.00 | 2.41 | 2.00 | 1.87 | 10.36 | 9.00 | 12.23 | ..... | 21.88 | 18.00 |
| 10157 | 4.42 | 4.00 | .... | ..... | ..... | ..... | ..... | 23.07 | 21.00 | 33.75 | ..... |
| 10160 | 3.22 | 3.00 | 3.21 | 3.00 | 2.15 | 9.07 | 8.00 | 11.22 | ..... | 24.41 | 21.50 |
| 10153 | 2.55 | 2.00 | 4.96 | 5.00 | 0.77 | 10.85 | 9.00 | 11.62 | ..... | 25.04 | 21.60 |
| 10147 | ..... | ..... | 2.27 | 2.00 | 0.60 | 11.44 | 11.00 | 12.04 | ..... | 11.54 | 10.80 |
| 10223 | ..... | ..... | 2.28 | 2.00 | 1.47 | 10.13 | 10.00 | 11.60 | ..... | 10.67 | 10.00 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 10129 | Patapsco Guano Co., Baltimore, Md. | Coon Brand Guano..... | Baltimore..... |
| 10130 | " " " | Corn and Tomato Fertilizer. | Baltimore..... |
| 10119 | " " " | Dissolved S. C. Bone... | Baltimore..... |
| 10107 | " " " | Early Trucker..... | Baltimore..... |
| 10146 | " " " | Fish Guano..... | Baltimore..... |
| 10305 | " " " | H. G. Bone and Potash.. | Baltimore..... |
| 10225 | " " " | Sea Gull Guano..... | Snow Hill..... |
| 10118 | " " " | Tobacco and Potato Fertilizer. | Baltimore..... |
| 10226 | Pearre & Clemson, Union Bridge, Md. | Farmers' Choice..... | Union Bridge..... |
| 10276 | Piedmont-Mt. Airy Guano Co., Baltimore, Md. | Caroline Mixture .. .... | Greensboro..... |
| 10112 | " " " | Fish Guano..... ..... | Baltimore..... |
| 10204 | " " " | Garden and Truck Fertilizer. | Baltimore..... |
| 10170 | " " " | H. G. South Carolina Rock. | Baltimore..... |
| 10110 | " " " | Insula Guano, for all Crops. | Baltimore..... |
| 10354 | " " " | Levering's Excelsior.... | Snow Hill..... |
| 10148 | " " " | Levering's Standard... | Baltimore..... |
| 10104 | " " " | P. P. P. Piedmont Potato Producer | Baltimore..... |
| 10348 | " " " | P. P. P. Piedmont Potato Producer. | Snow Hill..... |
| 10158 | " " " | Pure Raw Bone Mixture. | Baltimore..... |
| 10162 | " " " | Royal Ammoniated Bone and Potash. | Baltimore..... |
| 10298 | " " " | Soluble Bone and Potash for Grain and Grass. | Baltimore..... |
| 10363 | " " " | Soluble Bone and Potash | Baltimore..... |
| 10133 | " " " | Special Tobacco Beds... | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value Per Ton Found. | Comparative Value per Ton Guaranteed |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10129 | 1.25 | 1.00 | 3.43 | 3.00 | .62 | 9.34 | 9.00 | 9.96 | ..... | $17.39 | $15.50 |
| 10130 | 1.79 | 1.50 | 2.40 | 2.00 | .80 | 10.20 | 9.00 | 11.00 | ..... | 19.18 | 16.25 |
| 10119 | ..... | ..... | ..... | ..... | .92 | 15.30 | 14.00 | 16.22 | ..... | 12.24 | 11.20 |
| 10107 | 5.01 | 5.00 | 6.05 | 5.00 | 1.62 | 7.54 | 7.00 | 9.16 | ..... | 31.78 | 29.50 |
| 10146 | 2.34 | 2.00 | 2.07 | 2.00 | 1.47 | 10.01 | 6.00 | 11.48 | ..... | 20.86 | 15.00 |
| 10305 | ..... | ..... | 5.60 | 6.00 | .45 | 11.48 | 11.00 | 11.93 | ..... | 14.87 | 14.80 |
| 10225 | 1.35 | 1.00 | 1.64 | 1.00 | 1.07 | 7.96 | 8.00 | 9.03 | ..... | 14.76 | 12.50 |
| 10118 | 2.49 | 2.00 | 4.23 | 4.00 | 1.67 | 8.10 | 8.00 | 9.77 | ..... | 21.71 | 19.00 |
| 10226 | 0.46 | 0.37 | 2.25 | 1.87 | 1.65 | 10.84 | 9.00 | 12.49 | 10.00 | 12.86 | 10.56 |
| 10276 | 1.21 | 1.00 | 1.93 | 2.00 | 3.35 | 8.71 | 8.00 | 12.06 | ..... | 16.22 | 13.50 |
| 10112 | 2.40 | 2.00 | 2.58 | 2.00 | 4.40 | 8.57 | 8.00 | 12.97 | ..... | 21.31 | 17.00 |
| 10204 | 3.24 | 4.00 | 3.54 | 3.00 | 2.15 | 9.07 | 8.00 | 11.22 | ..... | 24.81 | 25.00 |
| 10170 | ..... | ..... | ..... | ..... | .75 | 16.03 | 14.00 | 16.78 | 15.00 | 12.82 | 11.20 |
| 10110 | 0.88 | 0.37 | 1.17 | 1.00 | 1.90 | 7.98 | 7.00 | 9.88 | ..... | 11.01 | 7.89 |
| 10354 | 1.02 | 1.00 | 1.54 | 1.00 | 2.27 | 8.13 | 8.00 | 10.40 | ..... | 14.15 | 12.50 |
| 10148 | 2.20 | 2.00 | 3.28 | 3.00 | 3.00 | 8.01 | 8.00 | 11.01 | ..... | 20.19 | 18.00 |
| 10104 | 3.54 | 3.00 | 3.61 | 6.00 | 4.37 | 4.64 | 5.00 | 9.01 | 7.00 | 22.39 | 22.30 |
| 10348 | 2.32 | 3 00 | 6.47 | 6.00 | 2.70 | 6.17 | 5.00 | 8.87 | ..... | 21.84 | 21.50 |
| 10158 | 1.48 | 1.25 | 1.76 | 1.50 | 5.17 | 7.05 | 8.00 | 12.22 | ..... | 16.06 | 13.87 |
| 10162 | 1.44 | 1.30 | 3.87 | 3.00 | 3.02 | 6.76 | 6.00 | 9.78 | ..... | 16.88 | 13.55 |
| 10298 | ..... | ..... | 3.84 | 2.00 | 0.52 | 8.01 | 8.00 | 8.53 | ..... | 10.35 | 8.40 |
| 10363 | ..... | ..... | 3.27 | 2.00 | 1.25 | 7.60 | 8.00 | 8.85 | ..... | 9.58 | 8.40 |
| 10133 | 6.96 | 7.00 | 2.88 | 2.00 | 2.95 | 6.93 | 5.00 | 9.88 | ..... | 35.35 | 31.50 |

| No. | Name and address of Manufacturer. | Name of Fertilizer. | Place of Sampling. and Sampler, when not the College.) |
|---|---|---|---|
| 10222 | R. H. Pollock, Baltimore Md. | Ammoniated Bone Phos | Baltimore..... |
| 10237 | " " " | Ammoniated Bone Phos. | Baltimore..... |
| 10358 | " " " | Ammoniated Bone Phos | Zion..... |
| 10269 | " " " | Corn and Tomato Fertz.. | Chase..... |
| 10213 | " " " | Diss. Animal Bone..... | Baltimore..... |
| 10212 | " " " | Diss. S. C. Bone..... | Baltimore..... |
| 10291 | " " " | Diss. S. C. Rock ..... | Princess Anne.... |
| 9814 | " " " | Diss. S. C. Rock..... | Fulford..... (F. H. Jacobs.) |
| 9813 | " " " | Fish Tankage..... | Fulford..... (F. H. Jacobs.) |
| 10211 | " " " | Ground Animal Bone.... | Baltimore..... |
| 10234 | " " " | Owl Brand Guano..... | Baltimore..... |
| 10357 | " " " | Owl Brand Guano..... | Princess Anne.... |
| 10206 | " " " | Soft Ground Bone..... | Baltimore..... |
| 10184 | " " " | Spec. Potato and Tobacco Fertilizer. | Baltimore..... |
| 10238 | " " " | Victor Bone Phos..... | Baltimore..... |
| 10202 | W. S. Powell & Co., Baltimore, Md. | Pure Diss. S. C. Bone.... | Baltimore..... |
| 10314 | Ramsburg Fertilizer Co... | Ammoniated Bone Phos. | Silver Springs..... |
| 10231 | " " " | Corn and Potato Fertz... | Araby..... |
| 10238 | " " " | Diss. Bone Super Phos.. | Myersville..... |
| 10251 | " " " | Excelsior Plant Food... | Mt. Airy ..... |
| 10315 | " " " | Old Va. Compound..... | Silver Springs..... |
| 10166 | Rasin-Mon. Co., Baltimore, Md. | Acid Phosphate..... | Baltimore..... |
| 10240 | " " " | Ammoniated Super Phos. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10222 | 1.31 | 1.00 | 2.45 | 2.00 | .62 | 9.36 | 9.00 | 9.98 | ..... | $16.64 | $14.50 |
| 10237 | 1.94 | 2.0 | 2.35 | 2.00 | .90 | 9.24 | 10.00 | 10.14 | 11.00 | 18.73 | 19.40 |
| 10358 | 2.03 | 2.00 | 2.18 | 2.00 | 1.00 | 9.54 | 10.00 | 10.54 | ..... | 19.22 | 19.40 |
| 10269 | 1.36 | 1.00 | 2.16 | 2.00 | .50 | 9.07 | 8.00 | 9.57 | 9.00 | 16.19 | 13.90 |
| 10213 | 2.59 | 2.50 | ..... | ..... | 1.95 | 12.09 | 12.00 | 14.04 | ..... | 21.93 | 21.15 |
| 10212 | ..... | ..... | .... | ..... | .82 | 15.39 | 14.00 | 16.21 | ..... | 12.31 | 11.20 |
| 10291 | ..... | ..... | ..... | ..... | .65 | 16.90 | 14.00 | 17.55 | 15.00 | 13.52 | 11.20 |
| 9814 | .. | ..... | ... | ..... | 1.90 | 14.24 | 14.00 | 16.14 | 15.00 | 11.39 | 11.20 |
| 9813 | 10.41 | 11.0( | ..... | ..... | ..... | ..... | ..... | 7.29 | ..... | 35.60 | 33.00 |
| 10211 | 4.48 | 4.00 | ..... | ..... | ..... | ..... | ..... | 20.10 | 22.00 | 27.09 | ..... |
| 10234 | 0.79 | .50 | 2.49 | 1.50 | .37 | 8.03 | 7.00 | 8.40 | 8.00 | 11.7[illegible] | 9.05 |
| 10357 | 0.84 | .50 | 2.23 | 1.50 | .67 | 8.12 | 7.00 | 8.79 | 8.00 | 11.80 | 9.05 |
| 10206 | 3.05 | 3.00 | .... | ..... | 10.10 | 5.55 | ..... | 15.65 | 14.00 | 20.27 | ..... |
| 10184 | 2.49 | 2.00 | 4.28 | 4.00 | 1.35 | 8.30 | 8.00 | 9.65 | 9.00 | 21.8[illegible] | 19.40 |
| 10238 | ..... | ..... | 1.40 | 1.00 | .97 | 10.27 | 9.00 | 11.24 | 10.00 | 9.81 | 8.40 |
| 10202 | ..... | ..... | ..... | ... ... | .60 | 15.82 | 14.00 | 16.42 | 16.00 | 12.6( | 11.20 |
| 10314 | 1.08 | 1.0( | 2.12 | 2.0( | 2.16 | 10.12 | 10.00 | 12.28 | 12.00 | 17.7[illegible] | 15.90 |
| 10261 | 1.30 | 1.50 | 2.32 | 2.00 | 2.45 | 9.03 | 9.00 | 11.48 | 11.00 | 16.9[illegible] | 17.05 |
| 10288 | .... | ..... | ..... | ..... | 3.45 | 13.25 | 14.00 | 16.70 | 16.00 | 10.6( | 11.20 |
| 10251 | 2.18 | 2.2[illegible] | 2.44 | 2.0( | 3.00 | 10.60 | 9.00 | 13.60 | ..... | 21.87 | 18.88 |
| 10315 | 1.21 | 1.5( | 2.20 | 2.0( | 2.77 | 10.38 | 9.00 | 13.15 | ..... | 17.9[illegible] | 17.05 |
| 10166 | .. | ..... | ..... | ..... | 2.47 | 14.66 | 14.00 | 17.13 | ..... | 11.7[illegible] | 11.20 |
| 10240 | 1.20 | 1.00 | 1.24 | 1.00 | 1.50 | 8.10 | 8.00 | 9.60 | ..... | 14.1[illegible] | 12.50 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10270 | Rasin-Mon. Co., Baltimore, Md. | Bone and Potash..... | Monrovia ..... |
| 10313 | " " " | Rasin's Dissolved Bone. | Silver Springs.... |
| 10193 | " " " | Empire Guano..... | ..... |
| 10177 | " " " | Fish and Potash Mixture. | Baltimore ..... |
| 10353 | " " " | Special Fish and Potash Mixture. | Chase..... ..... |
| 10303 | " " " | Ground Bone..... | Ellicott City..... |
| 10140 | " " " | I. X. L. Fertilizer..... | Baltimore ..... |
| 10165 | " " " | XXX Fertilizer..... | Baltimore ..... |
| 10361 | " " " | XXX Fertilizer..... | Westminster ..... |
| 10243 | " " " | Special Bone and Potash Fertilizer. | Baltimore..... |
| 10227 | " " " | Special Formula for Corn and Buckwheat. | Westminster..... |
| 10142 | " " " | Special Formula for Corn and Tomatoes | Baltimore ..... |
| 10350 | " " " | Special Formula for Corn and Tomatoes. | Federalsburg ..... |
| 10191 | " " " | Rasin's Truck Guano .. | ... ..... |
| 10356 | " " " | Truck Guano..... ..... | ..... ..... |
| 10139 | " " " | Trucker's Mixture..... | Baltimore..... |
| 10200 | Henry Reckord Mfg. Co., Belair, Md. | Dissolved Bone..... | Baltimore ..... |
| 10199 | " " " | Raw Bone..... | Baltimore ..... |
| 10215 | " " " | S. C. Bone ..... | Baltimore..... |
| 10267 | " " " | Special Compound..... | Walters..... |
| 10320 | Redden, Paradee & Co., Pocomoke City Md | Special Potato Grower . | Pocomoke City.... |
| 10331 | R. E. Roberts & Co., Baltimore Md. | Tomato Mixture..... | Linkwood..... |
| 10259 | Isaac Robinson & Co., Baltimore, Md. | H. G. Soluble Phosphate. | Mt. Airy..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10270 | .... | ..... | 2.02 | 2.00 | 1.27 | 11.46 | 10.00 | 12.73 | ..... | $11.44 | $10.00 |
| 10313 | 2.06 | 2.00 | ..... | ..... | 2.47 | 12.66 | 10.00 | 15.13 | ..... | 20.86 | 17.00 |
| 19193 | 2.23 | 2.00 | 2.12 | 2.00 | 1.40 | 8.70 | 8.00 | 10.10 | ..... | 19.19 | 17.00 |
| 10177 | 1.33 | 3.00 | 1.44 | 3.00 | 2.15 | 10.61 | 6.00 | 12.76 | ..... | 17.57 | 19.50 |
| 10353 | 2.85 | 3.00 | 3.18 | 3.00 | 1.82 | 6.30 | 6.00 | 8.12 | ..... | 20.18 | 19.50 |
| 10303 | 3.01 | 3.00 | ..... | ..... | ..... | ..... | ..... | 24.40 | ..... | 30.92 | ..... |
| 10140 | 2.27 | 1.00 | 1.71 | 3.00 | 1.37 | 8.84 | 9.00 | 10.21 | ..... | 19.04 | 15.50 |
| 10165 | 2.51 | 2.00 | 5.88 | 5.00 | 2.00 | 8.25 | 8.00 | 10.25 | ..... | 23.72 | 20.00 |
| 10361 | 2.39 | 2.00 | 5.63 | 5.00 | 1.57 | 9.15 | 8.00 | 10.72 | ..... | 23.77 | 20.00 |
| 10243 | ..... | ..... | 3.48 | 5.00 | 2.40 | 12.21 | 12.00 | 14.61 | ..... | 13.73 | 14.60 |
| 10227 | ..... | ..... | 3.05 | 3.00 | 2.22 | 11.52 | 8.00 | 13.74 | ..... | 12.71 | 9.40 |
| 10142 | ..... | ..... | 2.60 | 3.00 | 2.12 | 7.47 | 6.00 | 9.59 | ..... | 8.99 | 7.80 |
| 10350 | .... | ..... | 3.19 | 3.00 | 1.95 | 6.85 | 6.00 | 8.80 | ..... | 9.06 | 7.80 |
| 10191 | 3.62 | 4.00 | 2.19 | 2.00 | 1.75 | 7.46 | 7.00 | 9.21 | ..... | 23.02 | 23.00 |
| 10356 | 3.55 | 4.00 | 2.01 | 2.00 | 1.62 | 7.55 | 7.00 | 9.17 | ..... | 22.64 | 23.00 |
| 10139 | 3.21 | 7.00 | 3.03 | 5.00 | 1.70 | 8.22 | 7.00 | 9.92 | ..... | 23.16 | 36.50 |
| 10200 | 2.59 | 2.50 | ..... | ..... | 1.70 | 11.55 | 12.00 | 13.25 | 13.00 | 21.29 | 20.75 |
| 10199 | 4.66 | 5.29 | ..... | ..... | ... | ..... | ..... | 20.27 | 20.38 | 27.35 | ..... |
| 10215 | ..... | ..... | ..... | ..... | .52 | 15.79 | 14.00 | 16.31 | ..... | 12.63 | 11.20 |
| 10267 | 2.06 | 2.00 | 2.42 | 2.00 | 1.10 | 8.61 | 9.00 | 9.71 | ..... | 18.68 | 18.00 |
| 10320 | 3.85 | 4.00 | 6.47 | 6.00 | 2.75 | 6.04 | 6.00 | 8.79 | 8.00 | 27.09 | 26.80 |
| 10331 | 1.27 | 1.00 | 3.11 | 3.00 | 2.70 | 6.45 | 7.00 | 9.15 | ..... | 15.09 | 13.50 |
| 10259 | ..... | ..... | ..... | ... .... | 1.60 | 15.70 | 14.00 | 17.30 | ..... | 12.56 | 11.20 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and sampler, when not the College.) |
|---|---|---|---|
| 10257 | Isaac Robinson Co., Baltimore, Md. | Peerless Phos..... | Mt. Airy..... |
| 10260 | " " " | Potashed Bone..... | Mt. Airy ..... |
| 10256 | " " " | Pure Diss. Bone..... | Mt. Airy ... ..... |
| 10254 | " " " | Special Potato and Tomato Phos. | Mt. Airy..... |
| 10365 | " " " | Special Potato and Tomato Phos. | Baltimore ..... |
| 10255 | " " " | Special Wheat and Grass Phos. | Mt. Airy..... |
| 10258 | " " " | Stand. Diss. Bone Phos. | Mt. Airy..... |
| 10364 | " " " | Stand. Diss. Bone Phos.. | Germantown..... |
| 10151 | W. E. Robinson, Bel Air, Md. | Vegetable Fertz..... | Baltimore ..... |
| 10231 | Chas. Schaeffer, Westminster, Md. | Acid Phos..... | Westminster..... |
| 10230 | " ,, " | Big Gun..... | Westminster..... |
| 10228 | " " " | Governor Phos..... | Westminster..... |
| 10233 | " " " | Leader..... | Westminster ..... |
| 10232 | " " " | P. A. X..... | Westminster ..... |
| 10229 | " " " | Super A..... | Westminster ..... |
| 10293 | Scott Fertz. Co., Elkton, Md. | Corn and Oats Grower.... | Childs..... |
| 10294 | " " " | Potato, Truck and Tobacco Grower. | Childs..... |
| 10335 | " " " | Sure Growth Super Phos. | Rising Sun..... |
| 10292 | " " " | Tip Top and Potash... | Childs ..... |
| 10138 | Smith, Rouse & Webster, Bel Air, Md. | Pure Dissolved Bone .. | Baltimore ..... |
| 10174 | " " " | S. C. Rock..... | Baltimore ..... |
| 9810 | " " " | S. C. Rock ..... | Forest Hill.. ..... (A. B. Twining.) |
| 10164 | " " " | Special Formula No. 1. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10257 | .61 | .50 | 2.30 | 1.50 | 1.72 | 9.23 | 8.00 | 10.95 | 10.00 | $12.15 | $10.05 |
| 10260 | ..... | ..... | 2.04 | 2.00 | 1.62 | 11.55 | 10.00 | 13.17 | 12.00 | 11.60 | 10.40 |
| 10256 | 2.44 | 2.50 | ..... | ..... | 3.80 | 11.15 | 11.00 | 14.95 | 14.00 | 21.21 | 20.95 |
| 10254 | 1.81 | 2.00 | 2.73 | 2.25 | 2.02 | 8.84 | 7.50 | 10.86 | 10.00 | 18.71 | 17.75 |
| 10365 | 2.06 | 2.00 | 2.49 | 2.50 | 2.15 | 8.38 | 7.50 | 10.53 | 10.00 | 18.94 | 17.75 |
| 10255 | 1.67 | 2.00 | 2.88 | 2.00 | 1.60 | 9.20 | 8.50 | 10.80 | 11.00 | 18.57 | 18.50 |
| 10258 | .80 | 1.00 | 1.72 | 2.00 | 1.10 | 11.80 | 10.00 | 12.90 | 11.50 | 14.18 | 16.10 |
| 10364 | 1.40 | 1.00 | 2.06 | 2.00 | 1.87 | 10.25 | 10.00 | 12.12 | 11.50 | 17.96 | 16.10 |
| 10151 | 3.00 | 2.00 | 2.48 | 2.00 | 1.32 | 8.73 | 10.00 | 10.05 | ..... | 22.24 | 19.00 |
| 10231 | ..... | ..... | ..... | ..... | 1.05 | 14.05 | 14.00 | 15.10 | ..... | 11.24 | 11.20 |
| 10230 | 2.16 | 2.00 | 2.68 | 2.00 | 1.45 | 10.42 | 10.00 | 11.87 | ..... | 21.24 | 19.00 |
| 10228 | 1.52 | 1.50 | 2.86 | 2.50 | .47 | 9.93 | 9.00 | 10.40 | ..... | 18.30 | 16.75 |
| 10233 | 1.21 | 1.00 | 2.02 | 1.50 | 2.02 | 8.43 | 8.00 | 10.45 | ..... | 15.49 | 13.00 |
| 10232 | ..... | ..... | 2.16 | 2.00 | 1.40 | 10.56 | 10 00 | 11.96 | ..... | 10.89 | 10.00 |
| 10229 | .88 | .75 | 1.72 | 1.00 | .65 | 9.00 | 8.00 | 9.65 | ..... | 12.13 | 10.23 |
| 10293 | .68 | .50 | 3.28 | 2.00 | 1.10 | 9.01 | 8.00 | 10.11 | ..... | 13.09 | 10.35 |
| 10294 | 1.98 | 2.00 | 6.01 | 5.00 | 1.77 | 7.85 | 7.00 | 9.62 | ..... | 21.50 | 19.80 |
| 10335 | 2.36 | 2.00 | 3.21 | 2.00 | 1.40 | 10.60 | 10.00 | 12.00 | 12.00 | 22.63 | 19.80 |
| 10292 | ..... | ..... | 2.45 | 2.00 | .90 | 12.55 | 11.00 | 13.45 | ..... | 21.50 | 10.80 |
| 10138 | 2.79 | 2.50 | ..... | ..... | 2.12 | 12.07 | 12.00 | 14.19 | ..... | 22.68 | 21.55 |
| 10174 | .... | ..... | ..... | ..... | .95 | 15.81 | 14.00 | 16.76 | ..... | 12.65 | 11.20 |
| 9810 | .... | ..... | ..... | ..... | .80 | 15.77 | 14.00 | 16.57 | ..... | 12.62 | 11.20 |
| 10164 | 2.06 | 2.00 | 2.03 | 2.00 | 1.40 | 9.90 | 9.00 | 11.30 | ..... | 19.70 | 18.60 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10137 | Smith, Rouse & Webster, Bel Air, Md. | Special Formula No. 2. | Baltimore..... |
| 8909 | " " " | Special Formula No. 2. | Forest Hill..... (A. B. Twining). |
| 10122 | Southern Fertz. Co., York, Pa. | Amm'd Diss. Bone..... | Baltimore..... |
| 10136 | " " " | Dissolved Bone Phos.... | Baltimore..... |
| 10123 | " " " | Farmers' Choice Brand | Baltimore..... |
| 10319 | " " " | Gardeners' and Truckers' Delight. | Laurel..... |
| 10214 | " " " | General Crop Grower... | Baltimore..... |
| 10121 | " " " | Special Potato Grower.. | Baltimore..... |
| 10209 | H. S. Stick, Glenville, Pa. | Corn and Wheat Fertz. | Baltimore..... |
| 10208 | " " " | Diss. S. C. Bone..... | Baltimore..... |
| 10210 | " " " | York Co. Phos..... | Baltimore..... |
| 10308 | J. W. Stonebraker & Son, Hagerstown, Md. | Special..... | Baltimore..... |
| 10176 | W. H. Street & Co., Fallston, Md. | Amm'd Diss. Bone..... | Baltimore..... |
| 9808 | " " " | Buyers Mixture..... | Forest Hill..... (Nathan Grafton). |
| 10181 | " " " | S. C. Rock..... ..... | Baltimore..... |
| 10175 | " " " | Spec. Crop Grower..... | Baltimore..... |
| 10302 | E. A. Talbott, Ellicott City, Md. | Amm'd Bone Phos,..... | Ellicott City..... |
| 10301 | " " " | Grain and Grass Grower | Ellicott City..... |
| 10337 | H. S. Taveau & Co.. Baltimore, Md. | Allerton Guano..... | Rutland..... |
| 10347 | " " " | Bone Compound..... | Baltimore..... |
| 10207 | " " " | Pride of Maryland..... | Baltimore..... |
| 10246 | " " " | Special Compound..... | Baltimore..... |
| 10299 | " " " | Wheat and Grass Compound. | Baltimore..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10137 | 1.44 | 1.00 | 2.01 | 2.00 | 1.52 | 9.02 | 9.00 | 10.54 | ..... | $16.68 | $15.10 |
| 9809 | 1.15 | 1.00 | 1.20 | 2.00 | 2.87 | 7.85 | 9.00 | 10.72 | ..... | 14.23 | 14.50 |
| 10122 | 2.22 | 2.00 | 2.92 | 2.50 | 1.80 | 10.41 | 10.00 | 12.21 | ..... | 21.82 | 19.50 |
| 10136 | ..... | ..... | ..... | ..... | .15 | 15.80 | 14.00 | 15.95 | ..... | 12.64 | 11.20 |
| 10123 | 1.27 | 1.00 | 2.05 | 2.00 | 1.45 | 8.17 | 9.00 | 9.62 | ..... | 15.24 | 14.50 |
| 10319 | 2.49 | 2.00 | 5.65 | 6.00 | .70 | 11.50 | 12.00 | 12.20 | ..... | 26.15 | 25 00 |
| 10214 | .70 | .50 | 2.44 | 2.00 | .50 | 7.87 | 8.00 | 8.37 | ..... | 11.09 | 10.15 |
| 10121 | 2.01 | 1.50 | 4.65 | 4.00 | 1.40 | 8.49 | 8.00 | 9.89 | ..... | 20.73 | 17.25 |
| 10209 | ..... | ..... | 3.28 | 3.00 | .77 | 7.72 | 6.00 | 8.49 | ..... | 9.61 | 7.80 |
| 10208 | ..... | ..... | ..... | ..... | 1.45 | 14.02 | 14.00 | 15.47 | ..... | 11.22 | 11.20 |
| 10210 | .65 | 2.00 | .52 | 3.00 | .70 | 14.14 | 7.00 | 14.84 | ..... | 14.25 | 17 80 |
| 10308 | 2.60 | 2.50 | 4.09 | 4.00 | 3.75 | 9.39 | 11.00 | 13.14 | ..... | 24.08 | 23.75 |
| 10176 | 1.53 | 1.50 | 3.46 | 2.00 | .82 | 9.01 | 9.00 | 9.82 | ..... | 18.15 | 16.65 |
| 9808 | .... | 1.75 | 0.86 | 5.50 | 1.40 | 10.72 | ..... | 12.12 | ..... | 9.72 | ..... |
| 10181 | .... | ..... | ..... | ..... | .52 | 15.99 | 14.00 | 16.51 | ..... | 12.79 | 11.20 |
| 10175 | 1.40 | 1.00 | 1.03 | 1.00 | 2.17 | 9.19 | 8.00 | 11.36 | ..... | 15.99 | 13.30 |
| 10302 | .96 | 1.00 | 2.72 | 2.00 | 1.82 | 8.89 | 8.00 | 10.71 | ..... | 13.55 | 14.30 |
| 10301 | 2.04 | 2.00 | 3.47 | 3.00 | 2.21 | 9.56 | 9.00 | 11.77 | 10.00 | 21.05 | 19.40 |
| 10337 | 2.60 | 2.50 | 3.07 | 2.50 | 1.05 | 9.07 | 9.00 | 10.12 | ..... | 21.66 | 20.25 |
| 10347 | 1.27 | 1.00 | 2.24 | 2.00 | .75 | 9.24 | 9.00 | 9.99 | ..... | 16.23 | 14.50 |
| 10207 | 1.73 | 1.25 | 3.01 | 2.50 | 1.15 | 10.21 | 10.00 | 11.36 | ..... | 19.74 | 16.88 |
| 10246 | ..... | ..... | 2.73 | 2.50 | .52 | 11.62 | 11.00 | 12.14 | ..... | 12.13 | 11.30 |
| 10299 | ..... | ..... | 2.73 | 2.50 | .82 | 11.34 | 11.00 | 12.16 | ..... | 11.96 | 11.30 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler, when not the College.) |
|---|---|---|---|
| 10324 | Taylor Provision Co., Trenton, N J. | Pure Ground Bone..... | Keedysville..... |
| 10342 | I. P. Thomas & Sons Co., Philadelphia, Pa. | Normal Bone Phosphate. | ..... |
| 10326 | D. A. Thomas, Hagerstown, Md. | Bone Mixture..... | Hagerstown..... |
| 10327 | " " " | Diss. Bone Phosphate... | Hagerstown..... |
| 10325 | " " " | Excelsior Potato Fertz.. | Hagerstown..... |
| 10328 | " " " | Fine Raw Bone..... | Hagerstown..... |
| 10125 | James Thomas, Williamsport, Pa. | Klondyke Brand..... | Baltimore..... |
| 10135 | " " " | Pure Diss. Soluble Bone Phosphate. | Baltimore..... |
| 10279 | W B. Tilghman Co., Salisbury, Md. | Fish Bone and Potash Mixture. | Ellwood ..... |
| 10280 | " " " | Fish Mixture..... | Preston ..... |
| 10289 | " " " | Mixture B..... | Salisbury..... |
| 10290 | E. S. Truitt, Salisbury Md | Mixture XX..... | Salisbury ..... |
| 10311 | Turner & Sons Betterton, Md | Truck Guano..... | Baltimore.... .... |
| 10274 | J. E. Tygert Co., Philadelphia, Pa. | Gold Edge Potato Manure. | Goldsboro ..... |
| 10275 | " " " | Kainit ..... | Goldsboro ... .... |
| 10273 | " " " | Rock and Muriate of Potash. | Goldsboro..... |
| 10262 | J. Tyson & Sons, Frederick, Md. | Half and Half..... | ..... .... ... ... |
| 10312 | Virginia-Carolina Chem. Co., Richmond, Va. | Acid Phosphate... ..... | Germantown..... |
| 10253 | " " " | Special Formula..... | Mt. Airy..... |
| 10242 | " " " | Special Union Super Phosphate. | Baltimore... .... |
| 10252 | " " " | Standard Bone and Potash. | Mt. Airy..... .... |
| 10318 | S. L. Webster & Son, Cambridge, Md. | No. 1 Ammoniated Bone Phosphate. | Baltimore... ..... |
| 10317 | " " " | No. 2 Ammoniated Bone Phosphate. | Baltimore.... .... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value per Ton Guarranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10324 | 3.11 | 3.00 | .. | .... | ..... | ..... | ..... | 23.37 | ..... | $29.88 | $... |
| 10342 | 1.53 | 1.50 | 2.05 | 1.50 | 1.15 | 9.34 | 8.50 | 10.49 | ..... | 17.20 | 15.65 |
| 10326 | 2.14 | 2 00 | 3.31 | 2.00 | .82 | 9.72 | 10.00 | 10.54 | ..... | 20.85 | 19.00 |
| 10327 | ..... | ..... | ..... | ..... | .40 | 14.67 | 14.00 | 15.07 | ..... | 11.74 | 11.20 |
| 10325 | 2.03 | 2.00 | 4.53 | 4.50 | .72 | 8.40 | 8.00 | 9.12 | .... ... | 20.32 | 19.50 |
| 10328 | 4.80 | 4.00 | .... | ..... | ..... | .... | ..... | 19.71 | .. ... | 30.49 | ..... |
| 10125 | 1.19 | 1 00 | 3.28 | 2.00 | .87 | 9.02 | 9.00 | 9.89 | 10.00 | 16.81 | 14.90 |
| 10135 | ..... | ..... | .. | ..... | 1.55 | 9.46 | 14.00 | 11.01 | 15.00 | 7.56 | 11.20 |
| 10279 | .92 | 1.00 | 1.71 | 2.00 | 1.40 | 11.79 | 11.00 | 13.19 | 10.00 | 14.64 | 16.50 |
| 10280 | 2.76 | 3.00 | 1.78 | 2.00 | 1.77 | 9.95 | 7.00 | 11.72 | ..... | 22.10 | 19.50 |
| 10289 | 3.09 | 4.00 | 3.92 | 3.50 | 1.8? | 8.53 | 8.00 | 10.40 | ..... | 24.02 | 25.50 |
| 10290 | 2.87 | 3.00 | 2.73 | 2.00 | 2.05 | 7.69 | 8.00 | 9.74 | 10.00 | 21.28 | 21.30 |
| 10311 | 1.45 | 1.00 | 2.18 | 2.00 | 1.97 | 10.05 | 8.00 | 12.02 | ..... | 18.10 | 13.50 |
| 10274 | 2.05 | 2.00 | 5.62 | 5.00 | 1.35 | 8.55 | 7.00 | 9.90 | ..... | 21.89 | 19.40 |
| 10275 | .... | .... | 11.88 | 10.50 | ..... | ..... | ..... | .... | ..... | ..... | ..... |
| 10273 | .... | ..... | 4.68 | 7.00 | .84 | 12.70 | 12.00 | 13.54 | ..... | 15.01 | 16.60 |
| 10262 | 1.48 | 1.25 | 1.20 | 1.00 | 2.17 | 7.77 | 12.00 | 9.94 | ..... | 15 02 | 17.38 |
| 10312 | ..... | ..... | ..... | ..... | 1.70 | 13.79 | 14.00 | 15.49 | ..... | 11.03 | 11.20 |
| 10253 | .73 | .50 | 1.46 | 1.00 | 1.47 | 8.25 | 8.00 | 9.72 | ..... | 10.90 | 9.15 |
| 10242 | ..... | ..... | 3.29 | 3.00 | 1.50 | 7.61 | 8.00 | 9.11 | ..... | 9.68 | 9.40 |
| 10252 | ..... | ..... | 2.06 | 2.00 | 1.60 | 10.95 | 10.00 | 12.55 | ..... | 11.14 | 10.00 |
| 10318 | 3.51 | 3.50 | 3.59 | 4.62 | 5.32 | 6.18 | 9.48 | 11.50 | ..... | 24.51 | 27.83 |
| 10317 | 2.37 | 2.40 | 2.18 | 2.00 | 1.52 | 8.79 | 8.00 | 10.31 | ..... | 19.88 | 18.40 |

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Place of Sampling. (and Sampler when not the College.) |
|---|---|---|---|
| 10286 | S. L. Webster & Son, Cambridge, Md. | Fish Mixture..... | Two Johns..... |
| 10322 | F. M. Wilson, Pocomoke City, Md. | Favorite Truck..... | Pocomoke City... |
| 10321 | " " " | Peninsular Amm'd Super Phos. | Pocomoke City... |
| 10183 | R. A. Wooldridge Co , Baltimore, Md. | Champion Giant Phos ... | Baltimore..... |
| 10132 | " " " | Double Quick Fertz..... | Baltimore..... |
| 10205 | " " " | Florida Acid Phos ..... | Baltimore ..... |
| 10179 | " " " | German Potash Mixture. | Baltimore ..... |
| 10102 | " " " | Liberty Bell Potash Mixture. | Baltimore ..... |
| 10244 | " " " | Old Sledge Phos,..... | Baltimore ..... |
| 10131 | " " " | Spec Potato Fertz..... | Baltimore..... |
| 10145 | " " " | Sweepstakes Sure Shot Truck Phos. | Baltimore..... |
| 10117 | " " " | Triumph Bone Phos..... | Baltimore ..... |

| No. | NITROGEN Calculated as AMMONIA. | | POTASH, $K_2O$. | | PHOSPHORIC ACID. | | | | | Comparative Value per Ton Found. | Comparative Value Per Ton Guaranteed. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Insoluble Found. | Available. | | Total. | | | |
| | Found. | Guaranteed. | Found. | Guaranteed. | | Found. | Guaranteed. | Found. | Guaranteed. | | |
| 10286 | 1.66 | 1.00 | 2.36 | 2.00 | 1.45 | 8.91 | 8.00 | 10.36 | ..... | $17.66 | $13.50 |
| 10322 | 2.71 | 3.00 | 6.60 | 6.00 | 1.77 | 8.41 | 9.00 | 10.18 | ..... | 25.20 | 25.50 |
| 10321 | 1.19 | 1.00 | 2.12 | 1.50 | 1.02 | 11.60 | 12.00 | 12.62 | ..... | 18.29 | 17.00 |
| 10183 | 1.35 | 2.00 | 2.41 | 2.00 | 0.62 | 9.05 | 8.00 | 9.67 | ..... | 16.43 | 17.60 |
| 10132 | 3.04 | 2.75 | 3.30 | 3.00 | 1.20 | 9.04 | 9.00 | 10.24 | ... .... | 23.46 | 22.42 |
| 10205 | ... . | ..... | ..... | ..... | 0.50 | 16.02 | 14.00 | 16.52 | 15.00 | 12.82 | 11.20 |
| 10179 | ..... | ..... | 1.69 | 2.00 | 1.05 | 11.96 | 10.00 | 13.01 | 11.00 | 11.47 | 10.20 |
| 10102 | ..... | ..... | 3.20 | 3.00 | 0.77 | 12.02 | 12.00 | 12.79 | 13.00 | 12.97 | 12.80 |
| 10244 | 1.09 | 1.00 | 1.44 | 1.00 | 1.03 | 8.07 | 8.00 | 9.10 | ..... | 13.73 | 12.90 |
| 10131 | 2.04 | 2.00 | 5.63 | 5.00 | 1.52 | 9.34 | 9.00 | 10.86 | ..... | 22.70 | 21.60 |
| 10145 | 3.06 | 3.00 | 7.93 | 8.00 | 1.35 | 7.98 | 7.00 | 9.33 | ..... | 27.16 | 25.90 |
| 10117 | 1.58 | 1.50 | 4.08 | 4.00 | 1.02 | 8.84 | 8.00 | 9.86 | ..... | 18.86 | 18.05 |

*Table Showing Mechanical Analysis of Ground Bone.*

*(The Chemical Analysis is Given in the Preceding Table.)*

| No. | Name and Address of Manufacturer. | Name of Fertilizer. | Fine Less than 1-50 inch. | Fine-Medium 1-25 to 1-50 inch. | Medium 1-25 to 1-12 inch. | Coarse Larger than 1-12 inch |
|---|---|---|---|---|---|---|
| 10257 | American Agricultural Chemical Co., New York. | Fine Ground Bone | 52 | 17 | 22 | 9 |
| 9953 | " " " " | Pure Ground Bone | 32 | 22 | 32 | 14 |
| 10034 | A. A. C. Co. (Detrick's), N. Y. | Pure Ground Bone | 62 | 19 | 16 | 3 |
| 9304 | Armour Fertz. Works, Baltimore, Md. | Bone Meal | 62 | 21 | 15 | 2 |
| 9355 | " " " " | Raw Bone Meal | 48 | 31 | 17 | 4 |
| 9956 | Baugh & Sons Co., Baltimore, Md. | Bone Meal | 43 | 39 | 18 | 0 |
| 10222 | " " " " | Bone Meal | 40 | 34 | 26 | 0 |
| 10020 | Berg Co., Philadelphia, Pa. | Raw Bone | 33 | 27 | 27 | 13 |
| 10235 | C. E. Bond, Spencerville, Md. | Pure Raw Bone | 22 | 24 | 40 | 13 |
| 9978 | J. L Bullock, Baltimore, Md. | Pure Ground Raw Bone | 43 | 34 | 23 | 0 |
| 10065 | J. A. Cranston Co., Newport, Del. | Bone Meal | 42 | 22 | 30 | 6 |
| 10236 | Hanway & Keen, Belair, Md. | H. & K. Ground Bone | 56 | 19 | 16 | 9 |
| 10296 | S. M. Hess & Bro., Philadelphia, Pa. | Ground Bone | 45 | 23 | 22 | 10 |
| 10187 | Joshua Horner, Jr. & Co., Baltimore, Md. | Slaughter-House Bone Dust. | 39 | 27 | 32 | 2 |
| 10287 | Hubbard Fertz. Co., Baltimore, Md. | Pure Raw Bone | 26 | 31 | 38 | 5 |
| 10216 | " " " " | Warranted Pure Raw Bone | 48 | 25 | 23 | 4 |
| 10333 | W. C. Newport Co., Philadelphia Pa. | Bone Meal | 58 | 23 | 14 | 5 |
| 10157 | G. Ober & Sons Co., Baltimore Md. | Pure Raw Bone Meal | 46 | 53 | 1 | 0 |
| 10211 | R. H. Pollock, Baltimore, Md. | Ground Animal Bone | 30 | 28 | 28 | 14 |
| 10303 | Rasin Monumental Co., Baltimore. Md. | Ground Bone | 50 | 22 | 26 | 2 |
| 10199 | Henry Reckord Mfg. Co., Bel-Air, Md. | Raw Bone | 33 | 20 | 29 | 18 |
| 10324 | Taylor Provision Co., Trenton, N. J. | Pure Ground Bone | 63 | 19 | 15 | 3 |
| 10328 | D. A Thomas, Hagerstown, Md. | Fine Raw Bone | 43 | 36 | 21 | 0 |

# LIST OF FERTILIZERS LICENSED FOR SALE IN MARYLAND FOR THE YEAR ENDING FEBRUARY 1, 1903.

(Corrected to July 11, 1902.)

## ALEXANDRIA FERTILIZER AND CHEMICAL CO., ALEXANDRIA, VA.

Alkaline Bone.
Ammoniated Dissolved Bone.
Animal Bone.
Corn and Oats Guano.
Dissolved S. C. Rock.

## AMERICAN AGRICULTURAL CHEMICAL CO., NEW YORK.

Dissolved Animal Bone.
Ground Bone.
Canton Chemical Co's Baker's Dissolved S. C. Bone.
Canton Chemical Co's Baker's Fish Guano.
Canton Chemical Co's Baker's Special Wheat, Corn and Grass Manure.
Canton Chemical Co's Baker's Standard H. G. Guano.
Canton Chemical Co's Eagle Phosphate.
Canton Chemical Co's Harrow Brand Crop Grower.
Canton Chemical Co's Patron's Bone Mixture.
Canton Chemical Co's Potato Manure.
Canton Chemical Co's Soluble Bone and Potash.
Canton Chemical Co's Trucker's Delight.
Detrick's Ammoniated Bone Phosphate.
Detrick's Bone and Potash (16x4) Mixture.
Detrick's Corn and Oats Fertilizer.
Detrick's Dissolved S. C. Bone.
Detrick's Fish Mixture.
Detrick's Gold Basis.
Detrick's Gold Eagle.
Detrick's Imperial Compound.
Detrick's Kangaroo Komplete Kompound.
Detrick's Orchilla Guano.
Detrick's Paragon Ammoniated Bone Phosphate and Potash.
Detrick's P. & B. Special.
Detrick's Quickstep Bone Phosphate for Potatoes and Tobacco.
Detrick's Royal Crop Grower.
Detrick's Soluble Bone Phosphate and Potash.
Detrick's Special Mixture.

Detrick's Standard Potash Fertilizer.
Detrick's Vegetator Ammoniated Super Phosphate.
Lazaretto Ammoniated Bone Phosphate.
Lazaretto Bone Compound.
Lazaretto Crop Grower.
Lazaretto Dissolved Bone Phosphate.
Lazaretto Dissolved Bone and Potash.
Lazaretto Early Trucker.
Lazaretto Excelsior A. A. A.
Lazaretto Gem Alkaline Phosphate.
Lazaretto H. G. Dissolved Bone Phosphate and Potash.
Lazaretto Retriever Animal Bone Fertilizer.
Lazaretto Special Potato Fertilizer.
Lazaretto Tomato Compound.
Maryland Alkaline Bone.
Maryland Ammoniated Bone.
Maryland Bone Super Phosphate.
Maryland Dissolved S. C. Bone.
Maryland Magic Guano.
Maryland Slingluff's Top Dresser.
Nickerson Acid Phosphate.
Nickerson Advance.
Nickerson Alkaline Bone and Potash.
Nickerson Dissolved Bone and Potash.
Nickerson Eastern Shore Domestic Guano.
Nickerson English Mixture.
Nickerson Mixture.
Nickerson Truck Guano.
Reees's Ammoniated Bone Phosphate Mixture.
Reese's Crown Phosphate.
Reese's Dissolved Phosphate of Lime.
Sharpless & Carpenters Dissolved Bone Phosphate for Potatoes and General Use.
Susquehanna Alkaline Bone.
Susquehanna Ammoniated Bone Phosphate.
Susquehanna Crop Grower.
Susquehanna Grass and Grain.
Suequehanna Potato Phosphate.
Susquehanna Pure Bone Phosphate.
Susquehanna Superior Rock Phosphate.
Susquehanna XXV Phosphate.
Tygert—Allen Standard Bone Phosphate.
Tygert—Allen Star Dissolved S. C. Rock.
Tygert—Allen Star Soluble Bone and Potash.
M. E. Wheeler & Co. Corn Fertilizer.
M. E. Wheeler & CO. Electrical Dissolved Bone.
M. E. Wheeler & Co. High Grade Tomato.
M. E. Wheeler & Co. Potato Manure.

M. E. Wheeler & Co. Royal Wheat Grower.
M. E. Wheeler & Co. Wheat and Clover Fertilizer.
Williams & Clark Acorn Acid Phosphate.
Williams & Clark Dissolved Bone and Potash.
Williams & Clark Fish and Potash.
Williams & Clark Pea, Tomato and Corn.
Williams & Clark Royal Bone.
Williams & Clark Special No. 2.
Wliliams & Clark Spring Trucker.
Williams & Clark Wheat Grower.
Zell's Ammoniated Bone Super Phosphate.
Zell's Dissolved Bone Phosphate.
Zell's Economizer Phosphate.
Zell's Electric Phosphate.
Zell's Little Giant.
Zell's Special Compound for Potatoes and Vegetables.

THE ARMOUR FERTILIZER WORKS, BALTIMORE, MD.

All Soluble.
Ammoniated Bone with Potash.
Bone Meal.
Fruit and Root Crop Special.
Grain Grower.
High Grade Potato.
Phosphate and Potash No. 1.
Special Mixture.
Star Phosphate.
Wheat, Corn and Oats Special.

BAUGH & SONS CO., BALTIMORE, MD.

Animal Bone and Potash Compound.
Bone Meal, Warranted Pure.
Double Eagle Phosphate.
Export Bone with Potash.
Fish Mixture.
General Crop Grower.
H. G. Acid Phosphate or Dissolved S. C. Rock
H. G. Tobacco and Truck Fertilizer.
Potato Fertilizer.
Pure Dissolved Animal Bone.
Tomato Compound.
Wheat Fertilizer.

BECK, WALKER & BROWN, CHESTERTOWN, MD.

Corn Phosphate.
Propagator.
Tomato Phosphate.
Trustworthy.
Try Me.

THE BERG CO., PHILADELPHIA, PA.
Pure Raw Bone Fine.
Special $25.00 Bone Manure.

A. D. BIRELY & SONS, LADIESBURG, MD.
Ammoniated Bone.
Dissolved Animal Bone.
Special for Wheat and Grass.

CHARLES E. BOND, SPENCERVILLE, MD.
Dissolved Rock.
Pure Ground Bone.

JAS. BONDAY, JR. & CO., BALTIMORE, MD.
Kainit.
Muriate of Potash.
Sulfate of Potash.

T. M. BRAMBLE & CO., CAMBRIDGE, MD.
Fish Mixture.

JOS. L. BULLOCK, BALTIMORE, MD.
Dissolved Pure Raw Bone.

J. T. CARTER, DENTON, MD.
Carter's Complete Compound.

HENRY COPE & CO., LINCOLN UNIVERSITY, PA.
Ammoniated Bone Phosphate.

JOSIAH COPE & CO., LINCOLN UNIVERSITY, PA
Acidulated Phosphate.
Ammoniated Bone Phosphate.
Ground Steam Bone.
Soluble Bone and Potash.
Try Me Bone Phosphate.

THE J. A. CRANSTON CO., NEWPORT, DEL.
Horse Shoe Soluble Bone.
Horse Shoe Soluble Bone and Potash.
Pennsylvania Super Phosphate.
W. B. Raw Bone Super Phosphate.

WM. DAVISON & CO., BALTIMORE, MD.
Bos Ammoniated Super Phosphate.
H. G. Ammoniated Super Phosphate.
Pen-Mar Ammoniated Bone.
Special Mixture.

L. E. P. DENNIS & SON, CRISFIELD, MD.
Fish and Potash No. 1.
Fish and Potash No. 2.
Truck and Tomato.

DUDLEY & CARPENTER, BALTIMORE, MD.
California Tobacco Compound.
South Carolina Rock.
Special Tobacco Plant Guano.
Special Wheat Mixture.

THOS. W. ELIASON, CHESTERTOWN, MD.
No. 1 Ammoniated Phosphate of Lime and Potash.
Our Special Dissolved Alkaline Phosphate and Potash.

ENGLAR BROS. & CO., LINWOOD, MD.
No. 1.
No. 2.

D. ENGLAR, Jr., MEDFORD, MD.
No. 3 Bone Phosphate.

THE EUREKA FERTILIZER CO., PERRYVILLE, MD.
Alkaline Bone and Potash.
Corn and Potato Special.
Grain and Grass Mixture.
P. & P. Super Phosphate.
Potato and Vegetable Fertilizer.

WASHINGTON EWING, LANDENBERG, PA.
Pure Raw Ground Bone.

THE FARMERS FERTILIZER CO., WESTMINSTER, MD.
Acid Phosphate.
Carroll Bone Phosphate.
No. 1 Bone Phosphate.
No. 2 Bone Phosphate.
No 3 Bone Phosphate.
P. A. & P. Phosphate.
XX Bone Phosphate.

W. S. FARMER & CO., BALTIMORE, MD.
B. & P. Phosphate.
Clyde Brand.
Harvest Queen Phosphate.
Potato Manure No. 1.
Standard Phosphate.
Tobacco and Potato Guano.

FINNEY & ROBINSON, BELAIR, MD.
Robinson's Corn and Fruit Fertilizer.
Robinson's Potato Fertilizer.
Robinson's Vegetable Fertilizer.
Robinson's Wheat and Grass Fertilizer.

T. H. GILL, AVALON, VA.
Try Me Fertilizer.

N. I. GORSUCH & SON, WESTMINSTER, MD.
Dissolved Raw Bone Phosphate.

GRIFFITH & BOYD, BALTIMORE, MD.
Ammoniated Bone Phosphate.
Cereal Bone Plant Food.
Fish, Bone and Potash.
H. G. Acid Phosphate.
Peerless Fertilizer.
Pure Dissolved Animal Bone.
Pure Fine Ground Bone Meal.
Spring Crop Grower.
Stable Manure Substitute.
T. C. Hunter's Extra Ammoniated Bone Phosphate.
Valley Fertilizer.
XX Potash Manure.

GRIFFITH & TURNER CO., BALTIMORE, MD.
Ammoniated Alkaline Plant Food.
Ammoniated Butchers' Bone Phosphate.
Animal Bone Phosphate.
Dissolved Bone.
H. G. Acid Phosphate.
Soft Ground Bone.

HANWAY & KEEN, BELAIR, MD.
H. & K. Dissolved Bone.
H. & K. Ground Bone.
H. & K. Special Mixture.
H. & K. Standard.

W. R. HEARN & SON, CAMBRIDGE, MD.
Farmers' Friend

S. M. HESS & BRO., PHILADELPHIA, PA.
Ammoniated Bone Super Phosphate.
Farmers' Cereal King.
Ground Bone.
Keystone Bone Phosphate.
Potato and Truck Manure.

Soluble Bone Phosphate.
Special Compound.
Special Corn Manure.
Special Potato Manure.
Wheat and Grass Manure.

THE HOME FERTILIZER CHEMICAL WORKS, BALTO., MD.
Everybody's Fertilizer.
H. G. Acid Phosphate.

W. H. HOOD, MT. AIRY, MD.
Special Mixture for Grain and Grass.

THE HUBBARD FERTILIZER CO., BALTIMORE, MD.
Columbia Gem Phosphate.
Farmers IXL Super Phosphate.
H. G. Sol. Tennessee Phosphate.
Oriental Phosphate for Wheat and Grass.
Soluble Bone and Potash.
Standard Bone Super Phosphate.

T. R. HUBBARD & SON, CHESTERTOWN, MD.
Peerless.
Potato.
Victor.

C. M. KEEDY, KEEDYSVILLE, MD.
Money-Saving Phosphate.

S. L. LAMBERD CO., BALTIMORE, MD.
Boss Fertilizer.
Favorite Fertilizer.
Special A. A. Mixture.
Truck Fertilizer.

LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J.
Ammoniated Dissolved Bone.
Celebrated Ground Bone.
Crop Producer.
Harvest Queen Phosphate.
Potato Manure No. 1.
Pure Raw Bone Meal.
Special Potato Fertilizer.
Standard Pure Bone Super Phosphate of Lime.

JOS. LISTER, CHICAGO, ILL.
Bone Meal.

MAPE'S FORMULA & PERUVIAN GUANO CO., N. Y. City.
Fruit and Vine Manure.
Potato Manure.
Vegetable Manure or Complete Manure.

F. MAYNARD, BALTIMORE, MD.
H. G. Maynard's Choice.
H. G. Truckers' Pride.
Special Vegetator.

F. MEHRING, BRUCEVILLE, MD.
Acid Phosphate.
Dissolved Raw Bone.
Emmert's Half and Half.
General Crop Grower.
$26 Phosphate.

THE MILLER FERTILIZER CO., BALTIMORE, MD.
Ammoniated Dissolved Bone.
Dissolved Raw Bone.
Ground Bone.
Harvest Queen.
Hustler.
McAffee's Special Mixture.
No. 1 Potato and Vegetable Grower.
Potato and Vegetable Grower.
Special Tobacco Grower.
Special Tomato Grower.
Standard Phosphate.
W. G. Phosphate.

GEO. R. MOWELL, GLENCOE, MD.
Pure Dissolved S. C. Rock.
Standard Bone Phosphate.

NASSAU FERTILIZER CO., BALTIMORE, MD.
General Favorite.
Grass and Grain.
Harvester.
Plow Brand.
Soluble Bone Phosphate.
Special Phosphate and Potash.
Wheat and Grass Grower.

WM. C. NEWPORT CO., PHILADELPHIA, PA.
Acid Phosphate.
Bone Meal.
Evans' Brand.

Fish, Bone and Potash.
Gilt Edge Potato and Tobacco Manure.
Grain and Grass Special.
No. 1 Bone Phosphate.
Potato, Tobacco and Truck.
Rectified Phosphate.
Soluble Bone and Potash.
Special Compound.
Truckers' Joy.

J. B. NICHOLS & SON, BALTIMORE, MD.
Farmers' Friend Fertilizer.

G. OBER & SONS CO., BALTIMORE, MD.
Avondale Ammoniated Dissolved Bone.
Dissolved Animal Bone.
Dissolved Bone Phosphate.
Dissolved Bone Phosphate and Potash.
Farmers' Mixture.
Farmers, Standard Ammoniated Phosphate.
Fish, Bone and Potash.
Fish and Potash Fertilizer.
Independent Ammoniated Super Phosphate.
Pure Bone Meal.
Pure Raw Bone Meal.
Special Compound for Tobacco.
Special Plant Food.
Standard Southern Vegetable Fertilizer.
Special Tobacco Bed Fertilizer.
Edelen's H. G. Tobacco Fertilizer.
Edelen's Special Tobacco Bed Fertilizer.
Edelen's Special Tobacco Guano.
Edelen's Special Wheat and Grain Mixture.

PATAPSCO GUANO CO., BALTIMORE, MD.
Baltimore Soluble Phosphate.
Coon Brand Guano.
Corn and Tomato Fertilizer.
Dissolved Raw Bone.
Dissolved S. C. Bone.
Early Trucker for Quick Growth.
Fish Guano.
Genuine German Kainit.
Grain and Grass Producer.
Grange Mixture.
H. G. Bone and Potash.
Pure Ground Bone.
Sea Gull Guano.

Soluble Bone and Potash.
Special Wheat Compound.
Tobacco and Potato Fertilizer.

PEARRE & CLEMSON, UNION BRIDGE, MD.
Farmers' Choice.
No. 1 Bone Phosphate.
Union Bridge Favorite.

PIEDMONT-MT. AIRY GUANO CO., BALTIMORE, MD.
Atlas Fertilizer.
Caroline Mixture for all Crops.
Insula Guano for all Crops.
Levering's Excelsior Guano.
Levering's Standard.
Mt. Airy Garden and Truck.
Piedmont Fish Mixture.
Piedmont H. G. S. C. Bone.
Piedmont Potato Producer.
Piedmont Pure Raw Bone Mixture.
Piedmont Royal Ammoniated Bone and Potash.
Piedmont Soluble Bone and Potash.

R. H. POLLOCK, BALTIMORE, MD.
Ammoniated Bone Phosphate.
Dissolved Animal Bone.
Dissolved S. C. Bone.
Ground Animal Bone.
Owl Brand Guano.
Soft Ground Bone.
Special Potato and Grass Fertilizer.
Special Wheat Grower.
Superior Corn and Tomato Fertilizer.
Victor Bone Phosphate.

W. S. POWELL & CO., BALTIMORE, MD.
Dissolved S. C. Bone.
Prepared Chemicals.
Red Bag.

THE RAMSBURG FERTILIZER CO., FREDERICK, MD.
Alkaline Phosphate.
Ammoniated Bone Phosphate.
Corn and Potato Fertilizer.
Dissolved Animal Bone.
Dissolved Bone Super Phosphate.
Excelsior Plant Food.
Old Virginia Compound.

RASIN-MONUMENTAL CO., BALTIMORE, MD.
Acid Phosphate.
Ammoniated Super Phosphate.
Bone and Potash Fertilizer.
Empire Guano.

REDDEN PARADEE & CO., POCOMOKE CITY, MD.
Special Potato Guano.

CHARLES SCHAEFFER, WESTMINSTER, MD.
Big Gun.
Governor.
H. G. Acid Phosphate or Dissolved S. C. Rock.
Leader.
P. A. P.
Super A.

THE SCOTT FERTILIZER CO., ELKTON, MD.
Corn and Oats Grower.
Potato, Truck and Tobacco Grower.
Pure Ground Raw Bone.
Standard Phosphate.
Sure Growth Super Phosphate.
Sure Growth Compound.
Tip Top Soluble Bone.
Tip Top and Potash.

SMITH, ROUSE & WEBSTER, BELAIR, MD.
Pure Dissolved Bone.
Special Formula, No. 1.
Special Formula No. 2.

THE SOUTHERN FERTILIZER CO., YORK, PA.
Ammoniated Dissolved Bone.
Dissolved Bone Phosphate.
Farmers' Choice Brand.
Gardeners' and Truckers' Delight.
General Crop Grower.
Pure Ground Bone.
Soluble Bone and Potash.
Special Potato Grower.

GEO. W. STOCKSDALE, THURMONT, MD.
Ammoniated Super Phosphate.

WM. H. STREET & CO., FALLSTON, MD.
Ammoniated Dissolved Bone.
Special Crop Grower.

J. W. SULLIVAN, MONROVIA, MD.
S. S. S. Sullivan's Sure Success.

E. A. TALBOTT, ELLICOTT CITY, MD.
Ammoniated Bone Phosphate.
Grain and Grass Grower.

H. S. TAVEAU & CO., BALTIMORE, MD.
Allerton Guano.
Dissolved S. C. Bone.
Pride of Maryland.
Special Compound
Special Compound No. 2.
Wheat and Grass Compound.

D. A. THOMAS, HAGERSTOWN, MD.
Bone Mixture.
Dissolved Bone Phosphate.
Excelsior Potato Fertilizer.
Fine Raw Bone.

WM. B. TILGHMAN, SALISBURY, MD.
Bone and Potash Mixture.
Bone Tankage Mixture.
Fish, Bone and Potash.
Fish Mixture.
Our Mixture B.

E. S. TRUITT, SALISBURY, MD.
XX Fertilizer for all Crops.

TURNER & SON, BETTERTON, MD.
Truck Guano.

J. TYSON & SON, FREDERICK, MD.
Ammoniated Super Phosphate.

VIRGINIA-CAROLINA CHEMICAL CO., RICHMOND, VA.
14 Per Cent. Acid Phosphate.
Special Formulae.
Standard Bone and Potash.
Union Super Phosphate.

S. L. WEBSTER & SON, CAMBRIDGE, MD.
Bone and Potash.
Fish Mixture.
No. 1 Ammoniated Fertilizer.
No. 2 Ammoniated Fertilizer.

Old Dorset.
Times Brand.

F. M. WILSON, POCOMOKE CITY, MD.
Favorite Truck Fertilizer.
Peninsula Phosphate.

THE ROBERT A. WOOLDRIDGE CO., BALTIMORE MD.
Champion Giant Phosphate.
Chieftain, Bone Stock, Phosphate.
Double Quick Pure Bone Phosphate.
Florida Acid Phosphate.
German Potash Mixture.
Liberty Bell Potash Mixture.
Old Sledge Phosphate.
Special Potato Fertilizer.
Sweepstakes Sure Shot Truck Phosphate.
Triumph Pure Bone Phosphate.

# Fertilizer Law of Maryland.

Section 1. That the term "fertilizer," as used in this Act, shall be held to mean any commercial fertilizer, or any article, substance or mixture sold, offered or exposed for sale for manurial purposes within this State, of which the selling price shall be more than ten dollars per ton of two thousand pounds.

That the term "brand," as used in this Act, shall be held to mean the name under which the commercial fertilizer is sold, together with the statement of the percentage of valuable ingredients contained therein.

That the professor in charge of the Chemical Department of the Maryland Agricultural College shall be ex-officio State Chemist, or (that the term State Chemist, as used in this Act, shall mean the professor in charge of the Chemical Department of the Maryland Agricultural College).

Sec. 2. And be it enacted, That before any fertilizer is sold, offered or exposed for sale within the State, the following conditions must be complied with: (1) The importer, manufacturer, manipulator, dealer or agent shall take out a license for the sale of fertilizer, which license shall be rated upon the number of brands contemplated to be sold at the rate of fifteen dollars for each brand; said license to be prepared and furnished by the Comptroller of the Treasury, and to be issued at any time, to be good until the first day of February following; provided that when any such importer, manufacturer or manipulator shall have taken out a license as herein provided, it shall not be necessary for any other person, as his agent or representative, to take out a license to sell the fertilizers provided for by the party who had taken out such license. (2) Every bag, barrel or package of fertilizer, and every parcel or lot, if sold in bulk, must bear in legible print, or be accompanied by a clear and true statement, showing the net pounds of fertilizer in the package or lot, the name, brand or trade-mark under which the fertilizer is sold, the name and address of the importer, manufacturer or manipulator, the place of manufacture or manipulation, and a chemical analysis stating the percentum of the minimum, and only the minimum, contained therein of nitrogen or its equivalent in available ammonia, of potash soluble in distilled water, and of available phosphoric acid.

Sec. 3. And be it enacted, That any failure to comply with any or all of the conditions provided in Section 2 of this Act, shall be punishable by a fine of one hundred dollars ($100) for the first offense, and of two hundred dollars ($200) for every subsequent offense.

Sec. 4. And be it enacted, That any person, firm or company selling or offering for sale any fertilizer in this State, or intending so to do, and not licensed by the Comptroller, as provided by this Act, shall on and before the thirty-first day of July in each and every year, send his or their name or names, with the postoffice address, and the names of the kinds, brands and trade-marks, and of the manufacturer, importer or manipulator of each fertilizer sold or proposed to be sold, to the Maryland Agricultural College, and the same shall be registered in

suitable books kept for that purpose, and any failure to comply with the provisions of this section shall be punishable by a fine of twenty-five dollars ($25) for the first offense, and of fifty dollars ($50) for every subsequent offense.

Sec. 5. And be it enacted, That it shall be the duty of the Maryland Agricultural College to analyze, without cost or charge, all samples of fertilizer sent to it for the purpose of being analyzed by any person, or persons purchasing or procuring the same in this State for his or their use or uses; provided, such pesons are not interested in the analysis desired other than a consumer, of which affidavit shall be made and shall accompany each sample or brand; and further, such samples are taken and sent as described by this Act and free of cost of transportation to said College, and it shall be the duty of the Maryland Agricultural College to procure samples, as far as practicable, in every year, of all the fertiizers sold and used in this State, for the purpose of analyzing the same, and any duly authorized agent or representative of the said College shall have the right to take samples, as provided by this Act, from any lot or parcel of fertilizer in transit or in possession or keeping of any manufacturer, manipulator, dealer or agent, and sold or offered for sale in this State, and it shall be the duty of the Maryland Agricultural College to send in the result of every sample of fertilizer to the persons from whom such sample was taken or received, and also to publish from time to time the results of the analysis made by the said College of the samples sent to or procured by it for such purpose, and it shall be the duty of the Maryland Agricultural College, when reporting or publishing the result of any analys'; made, to state the commercial value in dollars and cents of the fertilizer so analyzed, per ton of two thousand pounds, such value to be based upon the analysis made by the College, and upon a standard of valuation to be ascertained, fixed and published by said College, annually, after conference with the proper officials of adjacent States.

Sec. 6. That all samples of fertilizer for analysis at the Maryland Agricultural College shall be taken from unbroken packages or bags that have not been damaged or injured in transit or by exposure, and when in the possession of the purchaser or purchasers within thirty (30) days after coming into their possession, it shall be lawful for any such purchaser or purchasers of any such manures or fertilizers, provided that he be not a manufacturer, manipulator or agent of either, to take from any such unbroken packages or bags, a sample, not exceeding two pounds, placing the same in bottle or bottles, jar or jars, which shall then be corked tightly and forwarded to the Maryland Agricultural College for analysis, that it shall not be lawful for the said Agricutural College, or its chemists, to previously demand of any such purchaser or purchasers so sending said sample or samples for analysis, to give any advices, information or statement to the said College or its chemists as to any analysis found on the original unbroken packages or bags from which said sample or samples were taken, or the name or names of any individual, representative, agent or corporation or firm from which said manures or fertilizers were purchased; and it shall be the duty of the Agricultural College to have its proper and

authorized chemist to at once make a full and complete analysis of the manures or fertilizers contained in such bottles, jar or jars, and within thirty (30) days thereafter return to such person or persons from whom the sample or samples were received a full and complete analysis of the said manures or fertilizers sent for analysis. And it shall be unlawful for any individual or any representative or agent of any corporation or firm, or any corporation or firm itself, to have, either directly or indirectly, communication with the Agricultural College or its chemist, agent or representative, or the sender of any sample with regard to the analysis of any manures or fertilizers sent to the Agricultural College by the purchaser or purchasers thereof for analysis under the provisions of this section, nor shall the Agricultural College nor its chemist nor its agent or agents, or the sender of any sample, furnish any information or communicate with any manufacturer of fertilizers about any such sample submitted for analysis until after a report of said analysis shall have been duly furnished to the applicant for such analysis under this section; provided, that all samples sent to the Maryland Agricultural College by any purchaser or purchasers, shall be drawn from at least five per cent. of the total number of bags purchased; these samples to be thoroughly mixed in a clean, dry place, and a suitable sample shall be taken from said mixture and placed in a suitable vessel or vessels, carefully closed, with an identifying label, and the same then taken or sent by safe carriage to the said College for analysis; every sample for analysis by the State Chemist, as provided for by this section, shall be fully described in forms to be furnished by said chemist free of charge, said description giving a full and complete statement of the time and place of sampling of all marks on the bags or packages thereof, and all of the facts relating to the same, said description and statement shall be made under affidavit before a justice of the peace or notary public, and the same shall be retained as confidential by said justice or notary until required by this Act to be sent to the State Chemist; provided, further, that the purchaser or purchasers sending such sample or samples of fertilizer shall withhold said description or descriptions of said sample or samples until he has received the report of the said State Chemist of the analysis of the same.

Any person or persons receiving an analysis from the State Chemist under this Act, shall immediately thereafter forward to him the statement required by this Act, to be made at the time of taking the sample or samples, and any person or persons violating the provisions of this section shall be punished by a fine of one hundred dollars; and any manufacturer, agent or representative who shall be convicted of making false and fraudulent representations as to the quality and constituent elements of any fertilizers by the printed analysis upon any such bag or package shall be fined one hundred ($100) dollars for the first offense, and two hundred ($200) dollars for every subsequent offense thereafter; and the report of the analysis of any such sample of fertilizer sent to the Agricultural College for examination under this Act shall be prima facie evidence as to the quality of the lot of fertilizer from which said sample was taken.

Sec. 7. And be it enacted, That the funds received by the Comptroller from the licenses issued under this Act shall be paid into the Treasury, and be set apart as a specific fund to pay the cost and expenses of conducting the analysis provided for in section five of this Act, and the Treasurer shall semi-annually pay over to the Maryland Agricultural College the money received from said licenses; provided, that the amount paid in any one year shall not be more than at the rate of fifteen dollars ($15) for each sample of fertilizer analyzed by the said College.

Sec. 8. And be it enacted, That any purchaser of fertilizer who shall be injured or defrauded by the contents of the bag, barrel or other packages, not conforming in quantity or quality to the marks, labels or statements on or accompanying the same, may recover from the seller or sellers thereof, in an action of debt, an amount equal to the purchase money of said fertilizer and the cost of suit; and in case the purchase is made of an agent of any person or persons residing out of the limits of the State of Maryland, or company or corporation whose principal place of business is out of the State, manufacturing, compounding, preparing and furnishing for sale any such commercial fertilizer, the purchaser thereof may, at his or her option, proceed by attachment, as now provided for by law in cases of non-resident and absconding debtors, against any property, rights or credit of any person, persons, company or corporation selling, manufacturing, preparing, compounding or furnishing said fertilizer when such property, rights or credits can be found within the limits of the State of Maryland.

Sec. 9. And be it enacted, That any manufacturer, dealer, agent or other person or persons who shall adulterate, add to or take anything from any fertilizer sold or offered for sale within this State, or who shall use the brand or trade-mark of any manufacturer or dealer other than his own, shall be deemed guilty of a misdemeanor, and shall, upon conviction thereof in any Court having jurisdiction, be punished by a fine not exceeding two hundred dollars ($200), and imprisonment in jail not exceeding six months, or by fine and imprisonment at the discretion of the Court before whom he shall be tried.

Sec. 10. And be it enacted, That this Act shall not affect parties importing, manufacturing or manipulating fertilizer for their own use, if not sold or disposed of; and it shall not apply to substances and materals sold in bulk to manufacturers or manipulators of fertilizer, and nothing in this Act shall prevent the buyer and seller from making contracts in reference to the price to be paid dependent upon the composition or quality of the fertilizer contracted for, but no arrangement or agreement, verbal or written, made by or between any seller and buyer of fertilizer in this State, for the purpose of exonerating the seller or manufacturer from liability for any violation of any of the provisions of this Act shall exempt any person from such liability.

Sec. 11. And be it enacted, That it shall be the duty of all State's Attorneys to prosecute all persons accused of violating this Act, or any of the provisions of this Act, or of the Act to which this is a supplement.

# The Maryland Agricultural College

COLLEGE PARK, MD.

## Maryland's School of Technology.

**FOUR COURSES OF INSTRUCTION,**

**Agricultural, Mechanical, Scientific, Classical.**

Each department supplied with the most modern and approved apparatus. Practical work emphasized in all departments. Graduates qualified to enter upon their life's work at once.

PRACTICAL LABORATORIES FOR THE DEPARTMENTS OF CHEMISTRY, ENTOMOLOGY, PATHOLOGY, AGRICULTURE, HORTICULTURE, BIOLOGY, PHYSICS AND ENGINEERING.

This is the day for knowing HOW TO DO some one thing well. The boy so equipped is ready for the battle of life.

DAILY SANITARY INSPECTION BY PHYSICIAN TO COLLEGE.

Boarding department supplied with all modern improvements. New bath-rooms and closets in an annex to the main building. Steam heat and gas, books, room, heat, light, washing, board, medical attention.

$154.00 FOR THE SCHOLASTIC YEAR.

$5.00 caution money on entrance. $6.00 for material for each laboratory. Payments made quarterly.

Catalogue, giving full particulars, sent on application.

R. W. SILVESTER,
President Maryland Agricultural College,
College Park, Md.